

ggtgttttca acagcagctg acaatcagaa tcaggttggt atcaaggtgc tacaaggtga 60  
 gagggaaatg gctgtagaca acaaacgct tggagaattt gagcttggtg gcattcctcc 120  
 tgccccaaga ggcattgctc agattgaagt cacatttgac atagatgccca atgggattgt 180  
 tactgtctct gccaaagaca agtctactgg gaaagaacaa caaatcacc 229

<210> 35968  
 <211> 228  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889085H1

<400> 35968  
 atcaaactt aataaaaagt ccccaaaaat ggctccaaca agaaaccacc ttcttcacat 60  
 tgccatgttc ccatggtttg caacaggtca catgactcca ttctccacc tttcaaacga 120  
 gttagccaaa aggggtcaca aaatcacgtt cttgctacct aaaaagcca aactacaact 180  
 ccaacacctc aacaaccatc ctcacctcat cacattccat accctcac 228

<210> 35969  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889086H1

<400> 35969  
 gcagagttgt tgcgattaag aagatgaaga gagggtggt tatggggctg gggctgttag 60  
 tgggtggtgat gatgggatgt tgtgggtctg cgactgctgc ggatgacttg gcaaccaagt 120  
 gttcggcggg gattcagaag gtaataccgt gtctgaactt cgcgacgggg aaggaagaaa 180  
 tgcccaaaaa ggaatgttgc gacgccgcca cggccataaa ggagagca 228

<210> 35970  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889088H1

<400> 35970

gaaaatattt gtgttaaatt aacaaaatta atttaagctc tttaaaaagt taatttaaatt 60  
atataaaaga aaatatatat caacatatca ttattacctt ctattgtagg taaaataaaa 120  
tgatttagcc gtggaccact taaaacttct tcatggtaga caaacatgag aacacacatg 180  
taaaagagtg agaatatttt gtccatagat taatcaaatt aaacacatct a 231

<210> 35971  
<211> 228  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700889090H1  
<400> 35971

ctccttggct tttgatttgt caacaggtgt ctccttctg aggttcttaa agaacagccc 60  
ttcatttctt ccattcctca ttgaacttc aaattcacct agttcttttt catgctcctg 120  
aatctcttgt ctattaagtt ctgcagattc ctcaaactcc accatctggc tctctatgtt 180  
tgctgttatt tgccaaacac aaatgaacac aataagcggg cattacta 228

<210> 35972  
<211> 228  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700889092H1  
<400> 35972

taaaaatgaa aagaagcact cactcgtgaa cccacgcac gtgttcgata atcaaattctt 60  
ctttcttttt cttccgcagt cccaaccttc atggattctc actcacacat cattgcttgg 120  
ggctctgggtg aagatgggtca gctaggaatc ggaagcaacg aagagaaaga atgggtctgc 180  
ctcgtcaaag cctccagcc ccaccgtatt cgctccgtcg tcgccggc 228

<210> 35973  
<211> 226  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700889094H1  
<400> 35973

tggtgaaggg tttttggtgg ataagatttt ggataagacc gggatgaagg ggaccgggaa 60  
 atggacggtg cagcaggcgg cggagctttc gatagcggcg cccacgattg cggcttcggt 120  
 ggattgccgg tacttgagtg ggttgaagga ggagagggag agtgccgcag cggtggtgaa 180  
 ggaggcggga ttgagtgatg aattggggag ggtagtgtag agtggg 226

<210> 35974  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889095H1  
 <400> 35974

gaaaatattt gtgttaaatt aacaaaatta atttaagctc tttaaaaagt taatttaaatt 60  
 atataaaaga aaatatatat caacatatca ttattacctt ctattgtagg taaaataaaa 120  
 tgatttagcc gtggaccact taaaacttct tcatggtaga caaacatgag aacacacatg 180  
 taaaagagtg agaatatttt gtccatagat taatcaaatt aaacacatct 230

<210> 35975  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889101H1  
 <400> 35975

gaagggactt aacgaggtat gaggaactgg acaaagagac tcaagctcag atgaacgagg 60  
 agctctctgg atggaaactt gttgtgggtg atgtgtttag ggagcctgat tgctcgaagc 120  
 ttctctgcgt gatggttgga gatgggattc aaattcttgg aatggctggt gttactattg 180  
 tttttgcagc acttggttc atgtcaccg cgtcccagg aatgctacta acagggatga 240  
 tcgtcttata tcttatcctg ggaattgctg caggctatg 279

<210> 35976  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889103H1

<400> 35976  
 caatttctaa ttagggtttc gcttagagta accaataacc atgggagtct tcacctttgt 60  
 cgtccgcaaa tccggcagcg aatggagcgc caagcaacat tccggcgaca tcgaggcctc 120  
 cgccgattcc accttcgata tccaacggaa gctcgtgcaa gccgctctcg ccgttgattc 180  
 ctccggtgga gttcagtcct ctttctctcc cgtgtctcct acctccgctg tgttccaggt 240  
 gatagtgggt ggtgcagtat tcgttgagg tggtg 275

<210> 35977  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889104H1

<400> 35977  
 ctctctctct ctctctctca ttcacacgaa tcacactctc cacagtgcga ttcattcacc 60  
 aatggatcgc aacggtgttc tctctcttgc attcatctgc attgtagtcg ccggcgctcg 120  
 aggccagtct ccgcccgcag cgccctcgaa cactccggca acccccgcgc ccgccactcc 180  
 cgcccaagca ccttccacac cgaattcacc agccccagtt gcttctccca aatcatctcc 240  
 accagcttcg tctcctaagc ccgcaaccgc aa 272

<210> 35978  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889105H1

<400> 35978  
 cgaaccgtag ttgttccggt tcagccatgg tggagaacaa tctcttcgag gatataattta 60  
 gggtcgaaaa attaaacccc gatgacaaaa aattattcga taaagtcact cgcattgaag 120  
 caagaagtga aaagtttgac atgtttatgc acctggacat taattccgag atatatccgt 180  
 taaaggttgg tcagaagttt gctcttgtgc ttgtttcaac acttaatcct gatggaactc 240  
 cagacactgg atattatacc cagatcagtc gacaa 275

<210> 35979



<211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889107H1

<400> 35979

aaagaaggcg ttttcataaa cgccttttctt ctccgtttcc gtttcctcgt tcgaattcgc 60  
 tttttgatct gcgaaaatga gagagtgcac ctcgatccac attggtcagg ctggtatcca 120  
 ggtcggaaat gcttgctggg agctctactg cctcgagcac ggcacgaggc cggatgggca 180  
 aatgccaagt gacaagacag ttggcgggtg tgatgatgct ttcaatactt ttttcagcga 240  
 gactggtgct ggaaagcagt gccacgtgca gt 272

<210> 35980  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889109H1

<400> 35980

tccaaataaa aaagtgggtg tggaacactt caccgccggg aactggggaa ggatattttc 60  
 ttcttttttg gtggttctag ttgttaaggg aagatattgt aaccatgagt gttgaagaag 120  
 aggttcagcg tctcagccaa gagatcaaga ggcttggtga ggtccaagca gatggttctt 180  
 acaaggtaac atttggaaac ctatttgacg atgatgaatg cgcaaataa tttgaagcac 240  
 ttgttggaac actaagagca gcgaaaaagc gtaaag 276

<210> 35981  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889110H1

<400> 35981

atgaaaaggg tgaatctgga aagattggtg gccacataag gagatgttgt ggtcacgcat 60  
 aatggcgctg tggttgctga cagcgaggaa ggcaaacag gaatgaagaa ggtcgacaag 120  
 ggggcgaact ataagaacaa ggagtaacca caacgatgac aaaactccg tgcagtgact 180

taggggttttt gatcgtgttg ggtggccttg atctgttaaa gattgatgat ttgaggattt 240  
 ttgggtgatc ttatgttggt ggcgacgat cc 272

<210> 35982  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889068H1

<400> 35982

ctacttttct tcccttcttt ccagaacaac accacaacac aaacagagca aaaaaagctc 60  
 caccaatggc gggttacaga gccgacgacg actacgacta cctcttcaag gtggctcctga 120  
 tcggcgattc cggcgtgggc aagtccaacc tcctctctcg cttaccaag aacgagttca 180  
 acttggaagtc caagtccacc attggcgctg agttcgccac ccgcaccttg aa 232

<210> 35983  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889030H1

<400> 35983

catgtgcact gaagttttcc agtttgatgc ttctccaagt cctggagcaa tagttcctgc 60  
 aacatcagta gccaatgttt ccaccgaaaa ccatcagaat gctaccagtg ttaagaagac 120  
 caggaataga agaacccttc atgagctccc agagccgctt aatgggtcta gtctgaacat 180  
 aactgaagaa caagtgaaaa atttgcagaa agaccacttc catggttaaca agtct 235

<210> 35984  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889031H1

<400> 35984

gtacgagggc caatttccaa aaaccttttg tctcgcaacc tcacctcttc ctcttcaat 60  
 ctcttttcgga atttcccaaa atccttagtg ggaggaagag atggttctga ctcagaagat 120

tcacgaagct ttcaaaggca ccgtcgagag gatcactggc cccgaaccg tttccgcctt 180

caaagaaaaa ggagttctca gtgtctccga gttcgtcacc gccggcgata atctcgttg 239

<210> 35985

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 700889032H1

<400> 35985

atcgtatcgt atcgtctctt tatgtcttca gacaaagcaa accagaaacc aaaccgcccc 60

caattcccga aaccctaacc ctacctctc gcccccatgc ccatggctaa gaaacgaaag 120

cttcgatcct ccaaccaga accacacaaa cccgtcgagc cacagcaaca gaaccatgag 180

actgttgaa 189

<210> 35986

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700889034H1

<400> 35986

ctttcagctg ctgccatcca aaattcaggt tggagtgttc tctgctacaa tgccaccaga 60

agcccttgag attacaagaa agttcatgaa taagccagtg agaattctgg taaagcgtga 120

tgaactgacc ctggagggtg tcaagcagtt ttatgtcaat gttgacaagg aagagtggaa 180

gctggagaca ttatgcgacc tttatgagac tctggctatc acccagagtg tcatt 235

<210> 35987

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700889036H1

<400> 35987

tggtgaatgc gtagaaaagg aaaataaaga aattagcgtg aaaaatgttg ggtgtgttca 60

gcagctccat agtgtcgccg ccggaggagc tcgttgccgc cggcagccgt acaccgtcgc 120

cgaagatgac ggcgggcggt ctgcggaagt ggttcgagga gaagaaccct tccgcagtgt 180  
 cgggtggaggt cggagagcat gtccagctcg cttataccca ccagaacgag tcgccgtttc 240

<210> 35988  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889037H1

<400> 35988

gcgtcttctt gttcctctcg cccagaatcc gagatcaacc ctgacccta aggccagggg 60  
 tttttctcgg cttcttcaga ttctgaaat ggcgctctgtt tcagcttttag ccaagtacaa 120  
 gctcgtcttc ttgggtgacc aatccgtggg caaaaccagc atcatcactc gcttcatgta 180  
 cgataaattc gataaacct atcaggctac aattgggtatt gattttctat caaaaa 236

<210> 35989  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889039H1

<400> 35989

ttcatcgatt ctctcccttc tctttctctc tgcgacacca gatgatggag acgacggcga 60  
 acgaaacgct gtcgttgccg caatcgcggc gttgttggtg gtggtgctac tcgcggcgag 120  
 tgtggtggtg gaggtcagg agaactcgga cgtgaagacg ctggtgaagc acatgcacgg 180  
 gaagaagtac tgcgacaaag gatgggaatg taagggtctg tcaatttact gttgt 235

<210> 35990  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889041H1

<400> 35990

cgacgccc aa tcttggggcg tcaacgtcca gccctactcc ggctccccgg ccaacttcgc 60  
 cgcctacacc gccgtctca acccccacga ccgcatcatg gggctagatc tcccctccgg 120

cggccacctc acccacggct actacacctc cggcggaaag aagatctccg ccacctccat 180  
 ttacttcgag agtatccctt acaaggtaaa ctccaccacc ggctacat 228

<210> 35991  
 <211> 236  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889043H1  
 <400> 35991

gggcggttac tacgtccaag agcagctgtc taggcatcga actctgatgg acatatttga 60  
 taaggctcct gttgttgatg aggatgtatt tgttgcgctt agtgctccg tcattggaga 120  
 cgttcaactt ggaagaggat catccatttg gtatggagtt gtcttgaggg gtgatgttaa 180  
 cagcatcaga gttggaactg gaactaacat acaggacaac tctctgggtgc atgttg 236

<210> 35992  
 <211> 80  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889045H1  
 <400> 35992

ggattttata cggtgtgatc gagatacgag gacaaatgaa gttggggttg accaagctag 60  
 aagtagaagt tatgtccccg 80

<210> 35993  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889046H1  
 <400> 35993

aaaataggtc ttcttcttct ctgatctacc aaagcttcaa attctcctta gtttggtttg 60  
 tctgtgagtt tggagtgtaa tgctgccgcc gacgctggta acggaggagg aggggcgtac 120  
 accgtggcgt ccgattcttc gcaatccttg gactgtttct ctcagaatgg tgctggattg 180  
 agaaaacgga attacttagg gttgtctgat tgctcatcag tggatagctg tgc 233



<210> 35997  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889053H1

<400> 35997

ctagttccta ctaccgtgac gttaattctc gggtttcttc tgagcgagca gaaggatttc 60  
 agcatcggag accgaatcgt tcgggtgagg ggagtaaata aacagagtga accaactcaa 120  
 gcccccaagt agaactgata attagttgca attttaaaag attgtgattg ttgggattgc 180  
 agagagaagg gtggttagtg ttagaatagg ctgagtgtgg atggggaaag agga 234

<210> 35998  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889054H1

<400> 35998

cttagttcca atctaactgc tcataacaaa aggaaccata tagacacctt cgtacttgtc 60  
 atggccctta agatcaacac tttccttcta gttcttctct tgatcctcat tcccttatct 120  
 tcaggcttgg ctgaaggctt cggggaaaac atgcatccaa ctcatggctt actttataag 180  
 gatggtatca agatgaactc gaggaagctt ttggttcatg attttgtgtt ggatt 235

<210> 35999  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889055H1

<400> 35999

gctcctctgc cattgtacct tcgtattcaa gcacaaaaac aaacaaacc taaccctaac 60  
 cctaatacgaa acccccttat ccgatcatgg ccaccgatgc ccgtgactcg cgtcgcaagc 120  
 atcaccgatc ttcctctcca gaggacgtgg acagatcctc gaagcgtcac aagcaccgcc 180  
 ataacagcca tcgccaccgc cacgggagca aaaagcgcga cgaagagggtt gaattcg 237

<210> 36000  
 <211> 165  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889056H1

<400> 36000

aaaaaatgct tgcttacatt tccatatgtt cattatcata atgaataaaa tgttgatgta 60  
 catatgtaat ttctttcata aggcccaaaa atgcaatttg gcctgcattt ttccatatta 120  
 ttgttggttac taaggtttta taatactttg aattaggttc ctatc 165

<210> 36001  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889057H1

<400> 36001

gtaattaata acaagctagc tattagtctg atttttagt aagtgaggtg ccaatatggt 60  
 gaagatagct cttggtactt tggatgactc ttttagcgt gcctctctta aggcttattt 120  
 cgcagagttc cacgcaactc tgattttcgt gttagctggt gttggatcag ccacgctta 180  
 caacgagctt acaaaagatg cagccttgga tccaacgggg ctggtggcag ta 232

<210> 36002  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889058H1

<400> 36002

ctcgtcttcg tcgtgtttct cttctctggt ctgattcgag atctgccagc catgttcgtg 60  
 ctcttcagat tctctctcct ccctctcttc ctctctctgg tcttcgcttc cgagtcagat 120  
 cacaggtatc aacaagatga ccagttacc ctttgggtga acaaagttgg tccttataac 180  
 aatccacaag aaacgtacaa ttattacagc ctaccatttt gccgtccacc tg 232

<210> 36003



<211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889059H1

<400> 36003

cttttgtgct gagtttgacg gtgaatcaga agcaggcgta cgtatacgtg tagtaggggtg 60  
 attgagagat ggacgctccc ctgctgctgg tgaacggcga aggggcggcg ctgggtggcg 120  
 agaatggtga ctacgtggcg gtgaggagc tgaaggaggt gaagaagggtg ttttggattg 180  
 agaccaagag agtgtgggag attgcatg ccatcgtttt caacatatg 229

<210> 36004  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889060H1

<400> 36004

tttacttccc ctatggctcg tcaactccttg ctcttagccc tctcctcttt cgccgccgtg 60  
 gccaccgccg cgatggcgtg gcgcgtccga cgccgacgac atcctgatcc gtcagggtgg 120  
 gccagatggt ggcaagcga agaggaggac aacctgctga acgccgagca ccacttcgcg 180  
 agcttcaagg ccaagttcgc caagacctac gccaccaagg aggagcacga t 231

<210> 36005  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889061H1

<400> 36005

tggttcgatg cggtcgagta ataataagaa cggaagaag aaaaaggaga aacctgaatt 60  
 ggctgttctt gatcatcctg gtcttggaag gggtccaaag ggtttagaag gagagcaagt 120  
 tgcagcaggg tggccaactt ggttttcttc tggtgctggg gaagctgtcc aagggtggat 180  
 accgcggaag gcggatactt ttgagaggtt tcataaaatt ggcca 225

<210> 36006

<211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889062H1

<400> 36006

cggaaccag aagaagagaa tgggggggag cttgtttttg gaggtgctga tctgctcac 60  
 tacaaggcca aacatactta tgtaccagtt acacggaaag gatattggca gtttgacatg 120  
 ggagatgtgc ttattgctgg taaaccact ggatactgtg ctgatgactg ctcagcaatt 180  
 gcggactctg gaacttcttt attggctggt ccaacgactg tggttactat ga 232

<210> 36007  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889063H1

<400> 36007

caactctttc aaaagggaga agaaaaggaa aggaacaaa acgcacaaag gggttattata 60  
 gcaatggcag aacaaaacca aaaccagaca actgaagctg gaaggcacca agagggtggc 120  
 cacaagagcc ttctccagag tgatgctctt taccagtata ttctggagac ca 172

<210> 36008  
 <211> 215  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889029H1

<400> 36008

ggttatgtca gggctggtcg tcaagaagct cggccagtcc atcgtccaaa ctttcaggat 60  
 tcaggagcaa gttgctcttc gcatgagccg aagaagaaag aggctgggaa aattatcaca 120  
 ggcagaaggg caaagagggc acagaaaagg gaagctgctg acaaggcggc ggaagcaaag 180  
 catcagcagc atttagtaag gttgggtagg aagtg 215

<210> 36009  
 <211> 230  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700889064H1

<400> 36009

gcaatttgag atgacggggtt tggatcctga gtataatagg ttgttcaatg agggcatggt 60  
gtgcactgct agggtttgtgt ccaaggctgt gatcactggc tacaaagatg ggttcaacca 120  
gattaagtcc ttggttgatg ttggaggtgg cattggaggg tctctttcgg agattgttag 180  
ggcttatcct catatcaatg ccatcaactt tgacttgccct catgtggttg 230

<210> 36010

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700889065H1

<400> 36010

ctgagagtga ctgtagccct gttgtgggtg ctaccataat gaatccaaag catataaatg 60  
tttccagaaa tggggatgag tgtatgccat tagatcaatc aacttctagt aaagcatggc 120  
agtcaaattg tgatagtggg gttagagagg ataggtatct tgatgaccat gcattgcgta 180  
aaactgaaac tttgggcagc aatacacagc atggtaaaat gaatagtatt gc 232

<210> 36011

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700889067H1

<400> 36011

gatattttaca tcaacctccc agctttgcag aagcttgaca caatgctcat agaaatattg 60  
gatagtttcc aggatactga attttggtat gcggacaagg gagcatatca gggaattcaa 120  
ctcggtcacg gggagggtca tttcgaagga ttgttcagag gaaagatgag aagtgggtggc 180  
tgccggttcc ttgtgttcac actggggggcc tctctgataa gtcaaggaag c 231

<210> 36012

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888989H1

<400> 36012

tttcaatata agattttgtt taatttatag aaggtacaaa atcttgtgtt aatagcaatt 60  
 ggggtggcgaa gatgattgag gtgggttttga acgatcgatt ggggaagaag gtgcgcgtga 120  
 agtgaacga cgatgatacc atcggcgacc tgaagaagct tgtggcggct cagactggca 180  
 caagagccga caagatccgc atccagaagt ggtacacat ctacaaggat cacatcactc 240  
 tcaaggatta cgag 254

<210> 36013

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888990H1

<400> 36013

caccttcaca attagaaaaa aaaaaaaca aaaaatgggc gtttctcggt ctcaaagcc 60  
 tcatgttggt tgtgtgccat tcccagcaca aggccacgtg aaccctttta tgcaactaag 120  
 caaactcctt ctttgcaccg gtttccacat aacctttgtg tgacaccgag ttcaaccaca 180  
 agcgtttggt gaagtctctt ggacaagaat ttgtcaaggg acaacctcat tttogatttg 240  
 agaccatacc 250

<210> 36014

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888992H1

<400> 36014

gattttcctg ctctggttca aatttggaag gtaaatttga tttagcagat ttcaagtctc 60  
 ttgatcgact tctcactgaa aaggttggct ggcaggatca agccatatgt gctatcagtc 120  
 aaactttgtc cctttgtaaa tctggtgcag gaaagcgtag aggctcaa at ggtagagcag 180  
 acatatgggt ggctttcctt ggacccgata gacttgga aa aaggaaaatt gcttcagttc 240

ttgcagagac ta

252

<210> 36015

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700888994H1

<400> 36015

ctgacagcag cattgtcaga gagacatggg ctagacttat agatcaagct atatcaagag 60  
gggggtattgc tgaagcttgc tcagtactaa agagggtcgg gccccgcatt taccctgggtg 120  
atggagctgt tttaccactc gacattatct gtcttcactt agagaaggct ggactggaga 180  
ggttaaattc tgggggttgaa gctggttgag atgaagatgt tgcaagagcc cttgtttctg 240  
cttctaagggt tgc 253

<210> 36016

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888995H1

<400> 36016

gaaaaaagtt gactagagaa agggcggaga aggctgtttt gtgcatcaac aaaaccagct 60  
cctggacttg cttgcatact ctctctgttc tttctattca aagatctgta aatttatata 120  
ttatctttta tcatatatag tattagtata gtccacttgt ttaaaccacc tgtgttgcat 180  
attctgaatc ctatcatctt gtggctttga tgtctagagc attggaacat gattacatag 240  
ggttggcaga g 251

<210> 36017

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700888996H1

<400> 36017

ggatgatcaa tctgttctgg ttgcaactta tgaaggagag cacaatcata cacacccttc 60

tcaaattggag gtaacaacag gttccaaccg ttcagtatca tggtcagcgt ctcttagctc 120  
 ttccgcacca acagttaccc ttgactggac aaaatccaag tccagcagtg agtctaagaa 180  
 tgtaaattccc aaaactgaat caccagaagt cccgcagggt ttggtagaac agatggctac 240  
 ttccttgacc aaggat 256

<210> 36018  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889003H1  
 <400> 36018

ggaggaggat ggtgcaacaa tgtagagagt tgcctttacc gtaaggatag tgcgttaggt 60  
 tcatctaagc aaatggagga tctttacttt tctgcaatth taagcaacga acaagagtat 120  
 aatccagatt tctacaattg gaatagagtc aagggttaggt actgtgatgg gtcacgtht 180  
 actggtgatg tggaagaagt tgatcaaaca accaatttgc acttcagagg agcaaggatt 240  
 tttt 244

<210> 36019  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700889005H1  
 <400> 36019

tttcaatata agattttggt taatttatag aaggtaaaa atcttgtggt aatagcaatt 60  
 ggggtggcgaa gatgattgag gtggthttga acgatcgatt ggggaagaag gtgcgcgtga 120  
 agtgcaacag cgatgatacc atcggcgacc tgaagaagct tgtggcggct cagactggca 180  
 caagagccga caagatccgc atccagaagt ggtacaccat ctacaaggat cacatcactc 240  
 tcaa 244

<210> 36020  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889006H1

<400> 36020

gttggtgatg ttatctctct tttgtggttt aaacgaagcc ttccccgtta ctgtactcaa 60  
 tttattgaga tatgcacat gctatgtgcc gaccatgggc cttgtgtctc tgggtgtcac 120  
 aatactattg tgacagcaag ggctgggaag gacctagttt ctagtcttgt atcaggtttg 180  
 cttacaattg gtcctcgatt tgggggtgcc attgatgatg ctgctcgcta cttcaaggat 240  
 g 241

<210> 36021

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700889008H1

<400> 36021

caaaatctct tcggctctct ctcttttcca tatccatata tatctccaaa ccctaccgtt 60  
 aggttcccca attcaacacc ccgtggggccg gtgcgctgct tctttgttcg tacggtttcc 120  
 gtcgattgcc tccgaaacga tgtcgtatcg cccaagcggg aactccagga ccgatgtccg 180  
 ccgcaaccgg tacaaggtgg cgggtggacgc ggacgaaggt cggagacgac gagaggacac 240

<210> 36022

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700889010H1

<400> 36022

gattcacatg tgatacccg agcatgatgg aggttataac ttcaatcctt cagagacttg 60  
 gtgatgatat cgatcctaac aacatacccc aaattctgta tgaagacgaa gatcatgata 120  
 aagttgtatt ggcttcagac agtgatcttg cagcagctgt ggatcatgca aggacagctg 180  
 gtttgaaggg gttgaaattg catttggact acgcaggacc acgtgataat gtgaaagggt 239

<210> 36023

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700889013H1

<400> 36023

ggaggttggt gccgagtctg gtgatggaga tgatgatggt gaaggagatg atgattatta 60  
gagtgtgtca aatatctcct atatcgtggt tgatgattag agtgtgtcaa atatctccta 120  
tatcgtgttt gatgatgtgc actttttcgt tttcttttgg acaaagtttt atcatgtgtg 180  
gtttttgaat gatgattggt aatcaatata tgtgctatgt aagtttctat 230

<210> 36024

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700889015H1

<400> 36024

cggtgattga catgaagcac atctatggcg gggatgagag gcggagggcg gagacgctcc 60  
ggctcgtgtc ggaggcatgc cggaatggg gtttttttca ggtggtgaac catggggtga 120  
gccatgagtt gatgaagggg gcgagggagg tgtggaggga gttctttcag cagccacttg 180  
aggtgaaaga ggtgtatgcc aatacacccc tcacttatga agggatatga agcaggttgg 240

<210> 36025

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700889017H1

<400> 36025

actgtggcca ctccacagca cttcttttact gcagagccga ttcagcaaaa ctctgtttct 60  
cgtgcgatcg cgaggttcac tccaccaacc agctcttctc gaaacacacg cgcacgctgc 120  
tctgcgacgc atgcgatcat tcccttgcca ccatactctg ttccaccgac acctctgttg 180  
tgtgccagaa ctgcgactgg gagaagtaca accctgcgct ctccgattcc cttcacga 238

<210> 36026

<211> 233

<212> DNA



<213> Glycine max

<223> Clone ID: 700889018H1

<400> 36026

agaagttaaa gaagagggta tttttactcg taccagtact tttgagagta tcgtttatct 60  
ggaaagcata gaacaggggt ttattccctt gactcgtatt gaagataatt tgaatgggac 120  
acaaattgcg gatgaagctg gcgagttatc tgtatttttg ggtggaccac ttttttactg 180  
gtgggaattg aacttaatta gagattagat tgcgcaaaaa gcttcaggat tgt 233

<210> 36027

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700889019H1

<400> 36027

cttttggaag agggaatcca accagaacaa acggacaaac tgaacagtca agtaccttgg 60  
tagggcatta atgcgtgatt ccttcaagtg tatagcacta cggccaata caagtgaagc 120  
cttttcagtt tgccggtttc ttttggaaga gggaatccaa ccagaaggct aagattttgc 180  
ggaaagtaga ttatcctctg gagttggatg tttatgattt ttgttctgac g 231

<210> 36028

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700889020H1

<400> 36028

gtcgcgttgt gttgcgtcgt gtcgtgcgct gttcctctgt ttctcgtttt tgtgttcaga 60  
ccgaacccta gtcgcgcatc gcaaccatgt cgaccaagca aggtggaaaa gctaagcctt 120  
tgaagaaacc caagtctgat aagaaggatt acgacgagat tgatgtggct aacattcaga 180  
agaaaaagga agaggagaag gcgctaaagg agttgaaagc caaggcgcaa cagaagggaa 240

<210> 36029

<211> 238

<212> DNA



<213> Glycine max

<223> Clone ID: 700889024H1

<400> 36032

cgggcaaattg cagatgcaga tgcaacaaac gcagcagcag ctgcaggcca cggcggcacc 60  
 attctcgacc tccactcttc ctctctctcc tcttctctcc ggcggctccg cgtccgaagc 120  
 accgccgaag caggtggctc aagcaatgga caagctcgga caagccgaac gaatcatcgc 180  
 cgacatccga atcggcgccg accgcctcct cgaagcgctc ttcgtcgcgg cggcgcagct 240  
 c 241

<210> 36033

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700889025H1

<400> 36033

ngcggagatc ttctctcagt cgttagggtt tcgtgtgcta acaaccagga gttgtgtgat 60  
 atttagtaaa atgggtgaga ctggaaaacg atatcattcg cagagagacc atgatgggga 120  
 caggaaacat caaaagagac gaatgactga cagagatgat aggggcaatg atgaattgat 180  
 tgtatatagg atactctgtc cagatgaagt tattgggagt gttattggga ggaatgggaa 240  
 agtg 244

<210> 36034

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700889026H1

<400> 36034

ctctcacgcc acccacccc accaccgcag gacgacgacg acgacgaacg acccacggtt 60  
 taccctccgc cgggaaactc cttcagcaac ccgccacctc cggttctacgg cgctccctcaa 120  
 ccaccacccc ctcagccgga gaccacgtg ttccattccg ctcacgtgac accaggacac 180  
 gtgtcccatg acttcaacaa ctactccgct ccccccgcctc caccoccttc ccac 234

<210> 36035  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889027H1

<400> 36035

gggcaagctg ggaagtgtct tccaggcgtt ggcgcggagc gtgtagagct tgacctggga 60  
 gtcgaaggag cggtcatgaa ggtcgacgaa ataagagatg cggacgagct tgtagtcgcg 120  
 agttttatgg tcgaagccga agccgcagac gcgggcggca aagagcgtcg tgtcgggggtg 180  
 acggcggcgg gggacagggg ggtaaggaag aatacgggtgt tggcggaggg agggg 235

<210> 36036  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700889028H1

<400> 36036

agttcatcaa tattctggta ggtataatat cttcatgaat ctaatataac gttattcata 60  
 gtgaaaataa atcgagccaa ggaatttatt aataattgtc ttcatttcatt attagctgcc 120  
 tgctgcgact tccttatgca taattttact gtttatagaa attgtgaagc tatactgttg 180  
 taattgtcat gttaaattgtt ccctttttca tcttacttga tttggtaaac tccggt 236

<210> 36037  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888987H1

<400> 36037

ccatcatttc cttgttcttc ttccttctct tcattctgtc tctacccttc aacgcaactt 60  
 tctatgtgtt ctantgagct tccaatatgc tcacgccttg ctatcgtagt tgcaccctcc 120  
 aaactccttc ccttttcttt catctgttca ggtacttgag gtcaagagaa catattgtaa 180

aactaaaagg gagaaatggc cttagatcac tttgaggaga ctgtgcacca aaaaggagat 240  
 tggaaatctt ccagtg 256

<210> 36038  
 <211> 290  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700888948H1

<400> 36038

tacgtgaacg cggacttcgg atccggctcg agcttcttca ctgttctctc tctgagcaaa 60  
 accgaggatc cctcatagta ttggcaggtc aaatattggc taatgtggat ggggcattca 120  
 tctatgtaca agcgcactcc ttcgagagat aattcaaaca tggaggacgt ggaagataac 180  
 tcagatcttt tagacatcgg cctggacaag ggaacctcaa atccttcatt gatgctttct 240  
 ttaccgcatg tacttgtggc gaccatttct tcattccgnt ttggatacat 290

<210> 36039  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888949H1

<400> 36039

gcttgggtctt cccggattcc aatcgctga aagggaaccg gatcttttct cttaaagctc 60  
 accaaagctt gatgagaagc cactcttccc tttgcttctt actaaagacg ggatttgctc 120  
 gtcggggcag aaagctgttg tttctggcaa caaaagaggt tttgctgata ccatggatgg 180  
 gttttctcag gggaagtttg ctggtaatatc agggatgaac gcggtgctat cacctagacc 240  
 ttctggagct caaccttctg ctatgaaaga a 271

<210> 36040  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888952H1

<400> 36040

acaaaaaagg caatggactc cattgggggc tctatggcta tgtagtgctc atgtagttct 60  
 tcttgctgta gaatgtaata ataaacaaag ttggcttcc ttttgagaag ttaccagctt 120  
 ttgctgtcca aaattactca atttgcagct gactagaatt cctttctctc ttcagtttct 180  
 gcagatgagt aggtaggcaa tttgtgatca ctcccttccc ttttcatgctc ttctgtgttc 240  
 ccttttccat gcttgtttgt gtt 263

<210> 36041  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888954H1

<400> 36041

gcaaaagcta gcggagaact gatgcagata atgctgcttc catttgctgt gattgcattt 60  
 gttggtggat atgcatggc ttctttccaa atgatgattc tcatatatgc tgggggtgtg 120  
 gttttcacca ccttgctcac tctccccaat tggcccttt tcaatcggca tccacttacg 180  
 tggttggatc caactgaggt ggaaaagcat cccaagccac aaccatctgt caatgtaact 240  
 caaaagaaga aaccggttaa gaag 264

<210> 36042  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888955H1

<400> 36042

gaggaacggt tcttggtctg ataggtttcg cggagggtgcc gtggatgtta gggatggtga 60  
 ggatgatgat tatgagagt gtggattcag tgtagacac caggatgagg aggatcagca 120  
 ccagtaccag cagcagcagc atcagaatag tgtagatgat gcttccatga aatcaaattc 180  
 gaatttgaat gaatttgcgc cgaggagtga ggatgggtgtt gatttgaatg ataaggatgg 240  
 ggataaggag aggggtgaatg ctg 263

<210> 36043  
 <211> 149

002220"CTTTC560

<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888956H1  
  
<400> 36043  
  
cagcaagttc aagtgttttg gacttgatg ggggtgtgta aggtcatggt tgcctttctc 60  
ttatatatat atatatatat aaatctctac taaaacaaaa acaacaaaca aaacaaaaaa 120  
aaaacaaaca acaaaacaac acacaaaca 149

<210> 36044  
<211> 259  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888958H1  
  
<400> 36044  
  
cctaaaatgg ccactctttc ctctacgac cacttcatct tcactgcctt agctttcttc 60  
atatctggcc taattttctt cctcaaacag aaatccaaat ccaaaaagtt caacctccct 120  
ccaggacccc ccgggtggcc tattgttggg aacctcttcc aagttgctcg ttctgggaaa 180  
cctttctttg agtatgtgaa cgatgtgaga ctcaaataatg gctcaatctt caccctcaag 240  
atgggaacaa ggaccatga 259

<210> 36045  
<211> 128  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888960H1  
  
<400> 36045  
  
ggaaggcggg atgtgtaatg aatttatgtc aagtagtgag ttaggtcagc agaggtcttg 60  
cctctccctt tgtagccac tgggtgttgc caattggcat tacggctcta ttataacatc 120  
atgccaaa 128

<210> 36046  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888962H1

<400> 36046

ccgagtatct ccgccgggcc gaggagatcc gggccgtcct cgacgatggg ccagcggcc 60  
 cggcctccag cggggacgcc gcggtcgcca caaggcccaa gacgaagccc aatgacggag 120  
 gcaaagacgg agacggcgag gatcccgagc aggccaagct acgggcccgg ctcaactccg 180  
 cgatcgttag ggaaaagccc aacgtgaagt ggaacgacgt cgcggggctt gagagcgcca 240  
 agcaggcttt gcagga 256

<210> 36047

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700888963H1

<400> 36047

ctctctctct ctctcatggc gaatctagca cacttctcca agagagccct aagaagcgca 60  
 cagcgctcgc caaggcacca cgtgcagccg cagctgctgg cagcggaacg cgcttttgcg 120  
 acggaggcgg cgaaatcgat atccccgctg gcggatcgcg tgaagtggga ctaccgaggg 180  
 cagaggaaga taatcccgtt agggcagtgg ctccccaaag tggccgtgga tgcttacgta 240  
 gcaccaacg tggtcctcgc 260

<210> 36048

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 700888964H1

<400> 36048

gaacgtcggc attcggttcg gctcgaggaa ccacaagagt aaaatgctta agtgatgctg 60  
 gattattcct tgattctgct gatgtatctg gtcgtcgag cttaaggaat ttgttcggag 120  
 gtgtgggttac cttgcaggga gtgcaaagaa gtcttccaag gagttgtact agtcgcctca 180  
 atccaatttt gtgctatttt cctcagcact taattgctgg tgtcaggaca ccactgtttc 240  
 ttctcaatgc agcttatgat acttggcaga ttcaagcgag tcttgct 287



<210> 36049  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888966H1

<400> 36049

ccggaatatc tcagttctct gatcagatcc atccgacgtc gtttcagtga taatggctcc 60  
 gttcagcggc gatgagctcg caccgttttt cggcttcctt ggagccgcag ctgccctcgt 120  
 cttctcctgt atgggagctg cctatggcac agcgaagagt ggcgttggcg tggcttcgat 180  
 ggggtgtgatg agaccagagc tgggtgatgaa gtctattgtc cctggtgtta tggctggagt 240  
 tttgggtatt tatggcctta ttattg 266

<210> 36050  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888967H1

<400> 36050

gaagccctga atattcagcc tgtgatatgg ggtacctcaa ttcagttttg tcctcttcaa 60  
 gccaggttca tgctgcagaa gattcacctg tcagtggagg gggcctcagt cagaatggaa 120  
 aattcagcta tgggtatgct agctccctcg gcaagagatc ttcaatggaa gatttttatg 180  
 agacaaaaat tgatggtgtt gatggtgaaa ttggtggcct ttttggagtt tttgatggcc 240  
 atggtggtgc tcgtgctgct gagta 265

<210> 36051  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888968H1

<400> 36051

gcggaattac aacagctctg ttgtgcgtgg cccatatagg ccaaacattg tagagaacaa 60  
 tatgattttc cgtgatgctt ttcctgatgc ctacaggagt cgcataatg aaccctctcc 120

aatagcaagt gcaagggtcaa tgtcttttca ttatagcact cataacgaac cttatcctga 180  
 tgcctacagg agtggcatga atgaatcctc tccaatagca agggcaaggg caactcgtaa 240  
 tgaaccttat cctaaagagg at 262

<210> 36052  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888971H1  
 <400> 36052

gagcaagacc caacttctgg caacttttcaa ccgctacaga gatgaccatg gcgcttctat 60  
 aactaagaaa ttgttgata atgcatccac tgactttcag aaggcattgc aactgctat 120  
 tagatgtatc aatgaccaca aaaagtacta tgaaaagggt ctgcgcaacg ctctaaaaaa 180  
 tgttggaact gatgaggatg cactgaccgg tgtgggtggc tcaagggctg agaaggacct 240  
 cagggacatc aaagagcgat 260

<210> 36053  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888972H1  
 <400> 36053

gggattggcc ttatagaaaa gaaacttaaa aatcgaattc aatggaagg actagatggt 60  
 tcaagaccgg gtgaggctga tgatagtttt gccagtttac aggcagaagt tgaaaattta 120  
 acgatgaagg agcgccagtt agacgaacaa ataagggaga tgcaagaaag actgcgggat 180  
 cttagtgaag atgaaaataa tgacaagttg ctttttgtta ctgaggaaga tataaagaat 240  
 ttgcctgct tccagaatga 260

<210> 36054  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888973H1

<400> 36054

gtggaactct ggcttccttc atcaattgta caatctgatt tgagtagcca cgccaagag 60  
 gtatagcatg agtttgaagt tccattgaag ataaatagat tctttctcat acaattctac 120  
 attgtagcac ttggccagta tataagattg tgaaattaag gagggtgtaa tattactagt 180  
 tctttcttcg gagttgctaa agataagtat ccggttctgt atatagctcg taaaaatttc 240  
 tttggttgag ttaatatat 259

<210> 36055

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700888976H1

<400> 36055

caacccttct ttccttcgc gagacaaca acaacgatga ccaactacgg cacaattcca 60  
 acctcctcca cacctccac caacctcgag ttcttctcac gcgccaagca gcgcgtcaag 120  
 gagggactcg gaaccgccc tccatggaag ctcatgttca atttccgatc cttcgccctc 180  
 cccgcggcg tggagacgc ggtctgcgc gtgaggaga acatctccta cttccagatg 240  
 aactacgca tcgtcgtg 258

<210> 36056

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700888978H1

<400> 36056

ggacgaggag gtttccatct ggggcgtccc tctctttaag gatgacagga ctgacgtcat 60  
 tctcctcaag tttctcagag ctctgagct caaagtgaag gacgcccttg tcatgtttca 120  
 aaacactctc cgatggagga aggacttcaa catcgacgcc cttctggatg aagatctggg 180  
 cgaccacttg gagaagggtg tttcatgca cggacacggc agagagggcc atcccgtctg 240  
 ttacaacgtc tacggc 256

<210> 36057  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888982H1

<400> 36057

ctcgagccga atcggctcga ggtgacatag ttgtaaagga ccaggaattt attgaagcaa 60  
 ctagagaacc tggagttaca tttgtggctg ctaagtttga tggatatacta ggacttggat 120  
 ttcaagagat atcagttgga tatgctgttc cagtgtggta cactatgggt gaacaaggtc 180  
 ttgtaaagga tccagtattt tcattttggc taaatcggaa accagaagaa gagaatgggtg 240  
 gggagcttgt ttttgggtgt 260

<210> 36058  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888983H1

<400> 36058

gaatactgtg ttgtgccagc aaatggagtg tctgtgttac cagactcatt gccatataca 60  
 gagtctgcaa ttctaggatg tgctgttttt actgcttacg gcgctatggc tcatgcagct 120  
 caagtgcgtc ctggtgattc tgttgctgtt attggaactg gaggtgttgg ttctagttgt 180  
 ttacagatag ctagagcctt tgggtgcctca gatataattg ctgtggatgt acgggatgaa 240  
 aagctacaga aagcaaaga 259

<210> 36059  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888984H1

<400> 36059

cacagatgat tgtatctcaa catctgaggc tgcagaattg gctgcaaagc ttgatgagaa 60  
 ggaaataagt agtttaccaa tgcctggaca agttgatctt attaatgggtg gtcctccatg 120  
 ccagggtttc tctgggatga ataggtttaa ccagagcagt tggagtaaag tccagtgtga 180

gatgatattg gcattcttat cctttgctga ttatttccgg ccaaggtatt tcttggtgga 240  
 gaatgtgagg aactttgtgt c 261

<210> 36060  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888985H1  
 <400> 36060

tatgaattca tgcaaaaggg cagtttggaa aaccatctat ttggaagggg ttctgctgtt 60  
 caaccacttc cttgggacat caggcttaag atagcaattg gagcagctcg tggcctcgca 120  
 ttcttgcata catccgagaa agtaatttac agagacttca aggcctccaa tatattgctt 180  
 gatgggtcct ataacgcaaa gatatcagat ttgggcttgg caaaactggg tccttcagct 240  
 agtcaatccc atgtgacaa 259

<210> 36061  
 <211> 134  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888986H1  
 <400> 36061

ccccatctca atcaaccctt tatttctctc ttagtgcctt gaattttcta tagcctttct 60  
 gtgcaaaatt tgcattccctt aattcttgta gaattgatgt ctggtttgta caatcagatt 120  
 tccacacaac atac 134

<210> 36062  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888946H1  
 <400> 36062

gttactcaca tgggggggtgc acctacagtg ttaaacaatga taatcaattc atcacctaaa 60  
 gtccagaagc cgcttccggg aaagggtccaa gtgatgacag gtggtgcacc acctcctccg 120

gatgtgattt tcaggatgga agaactagga tttaatgtga ctcatcata tggtttgaca 180  
 gaaacttttg gtccggcatc aatttgcact tggaaaccag aatgggacaa tctgcctcaa 240  
 gatgcacaag caaaactca 259

<210> 36063  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888909H1  
 <400> 36063

agacaatatg ttcgtagtat cattgcatct gttcaaaggg ttccattagc actttctcct 60  
 tcgcgctttg gttctcacia tgctttccac ttaccacctg gcactcctga ggcacaaaca 120  
 cttgctcgat ggatctgtaa cagctaccgg ttctatcttg gggtagaact tctaaaatgt 180  
 gaaggcagtg aatccattct caagtctctt tggcatcact cagatgcagt tttgtgctgc 240  
 tcttttaaagg cattaccgt tttcacgt 268

<210> 36064  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888910H1  
 <400> 36064

ggtgaataag tgcggtttaa agatgcagag tctgcaacag aaggcttccg aatggagcgg 60  
 tgtttccata gacgacgctt tcggcatcga cgacaccaat ctcttcaga aactcggcct 120  
 ccaaaccctc attaacctct ccaccaattt ctacaacagg gtttacgatg acgaggaaga 180  
 atgggttcgt tcaatattcg cgaattctga gaaggagaat gccattcaa accaatacga 240  
 gttcttcgtg cagcgaatgg gtggtc 266

<210> 36065  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888913H1

<400> 36065

ccgccgtacc atgtcgggaag caccaccgcc tccaactgcc gatgcgtcac cgcctccgta 60  
ctgggtgctac cactgcgaga agcgcgtctc cgtcgaaacg ctcgcgaaac tccccgacgt 120  
cgtctgcggc gagtgcaaga acggccttctt ggaatccatg cccacgccgt cgcgctctcg 180  
ctccccctcc gcctcctccg acgaccctta cttcggctcg cagttcctcc aggtccttcg 240  
cctaatacgt cagtcggcgc gtgacga 267

<210> 36066

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700888914H1

<400> 36066

ggcctcgaga gcagtgtat tgttggtat gtgtgtgctt ccggccatgg ttgtggccat 60  
tcgcccagca aagaaccctt tttgcgtgaa gggtcgcgtc tactgtgacc cttgccgtgc 120  
tggttttgag acctcagcaa ccacctacat tgccgggtgct gagattatgt tgcaatgcaa 180  
gagcaggggt agcaacgagg ttgtgtacac caagaagggg tacactgact caactggagc 240  
atacacaatg tacgtggacg agga 264

<210> 36067

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700888915H1

<400> 36067

ttataagaag catattggat gttgtgtgca agatactaca ataacagaaa tgcagaaaat 60  
aacagaaaag gtataacaga aaggaaaatg gcaaacaata ggtagacgtc atcttctagc 120  
tagccaatgc tatcaagcca gctcagcaac caataattga atctgttaaa tgaaatcctt 180  
tagatgcctt ggtggattga tcttcctttt aggtctctca ttcgtgccta tgcattgagt 240  
atcttggtga gccattatt 259

<210> 36068  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888916H1

<400> 36068

aaaacttcat cttttacttt gttttaaggg tattgggtact ataagacatg cttgatagta 60  
 gaaaagtata ccatttggtt atcattctct gcacggattt ctccagaata gaaaaccacc 120  
 atgggtatta attagtcttc ctttttctag aattttgctt tatctttcaa tggtatgggg 180  
 ggagctagtg tgaatccatc tgtgcttgca ttgtacaata gttctttcaa atatattcta 240  
 ctctaaagtt gtccaccata aatttct 267

<210> 36069  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888917H1

<400> 36069

ggaagatgct gatgaagctg gcaatgactc cgatgctgaa tcaaagacgg aagctggaga 60  
 agacaccaag gaagaggggtg tacatgatga actctaggaa gtttgcaaaa cggataaaga 120  
 gtgagcggaa gttatattcc ggaaagttat atctttttca gttgtagtgt ttttttgttt 180  
 ttatttttcc ctagataagc agaccgtgga aaactgcaag tgaaagctgg agcttttgct 240  
 tcaatcacat ttgactatct cactgattag aacaggc 277

<210> 36070  
 <211> 77  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888918H1

<400> 36070

aaacgcttaa cctaaaatca tgaattgaaa tctctctcgt gaaagtgaaa cgcttagagt 60  
 ctcccatcca tacaacg 77



<210> 36071  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 70088892QH1

<400> 36071

caagatgtga ttttcatctt tctccactgc actaacgcgt tcttttcttt cacctcttct 60  
tgtgtcttat ttctacctat tccaatttcc agccaccatg tctggcgaaa tgcataccga 120  
ttccgcgtca tegtacgat ccgcccgcgc ctctgatcag cgtcatcagc agccggcggc 180  
ggctcctctg agccggtacg aatcgagaa acggcgagac tggaacacct ttggccagta 240  
cttgaagaac cagacacccc cagtttc 267

<210> 36072  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888921H1

<400> 36072

gatttctcaa tctatggctc tgcattttct tctcctgctg ctttttgcag tgtctgttgt 60  
tgcagctgat gaagaaccat ttataggagt gaatattgga acggatctct cagatatgcc 120  
acaccctact caagtactag ctctactaaa agcccagcaa attcggcatg ttcgattata 180  
tgatgcagac caagctatgc tccttgact tgcaaagaca ggcattcagg ttgctgtgac 240  
tgtcccaaat gaagagatcc tagcaa 266

<210> 36073  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888923H1

<400> 36073

gcagaccaat tgtcatgggt tgttcttgat tttgcgactt cctcaatttt ggggccagca 60  
ccgcttcac tgccagcagc aggaccatcc tcatccatgg ctccaccgc atcaccacca 120  
gctccttggt acatctttgc tatgatggg ttacaaatgc tctccaactc cttcatcttg 180

tcctcgaatt cgtcagcttc agcaagttgg tttccatoga gccattggat agcctgctca 240  
attgcatcct caattttctt cttatcat 268

<210> 36074  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888924H1  
  
<400> 36074

gcaaagggga ggtaaaaatt gcatctgtag gcttcttaga tgtggtttaa tgctgactca 60  
aatggtttcc ctgaattagg gaagaattac agctataaaa taattgctcc gctcttgcta 120  
tatgaaaact tactgcaatg catgtgattg tgtttgctga gcaggcttcc tcattgaaga 180  
cccctagcat ggagagatgt tctctgcttt ttacagtttt gttatataga ttttctctct 240  
tctgatt 247

<210> 36075  
<211> 268  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888925H1  
  
<400> 36075

tacgagtaaa ctttttctt ttagatcaga gtctttttat agattttgaa agtgaaaacc 60  
ctttgtattt tttatttggt ataactactt gagccgatg aaaggaaacc ttcacgtccg 120  
attttgaaag ggggagatct tattggattg gatcctatct caatttttcg tttgctagac 180  
ccgtagttaa aaaaccact ttcttacgat tacgaggttc attcgaatat gaaatccaat 240  
cttggaaca cagcatacca cttttttt 268

<210> 36076  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888928H1  
  
<400> 36076

ggcattgaaa tcattgtttc cggaggaatg actatgccac agttgatatc tccagtggaa 60  
 agggacactc gaccgaatga aagagtctct ttgaacagaa ttggataagg gattattcct 120  
 gcggatcatg cgggtgttgg aaaatattac agtctaaacc tccttgtaat ggaatatgta 180  
 tttttataca gaaatttgtt gttcaatatt aagttcttta cagtgttcga tgttcaaagt 240  
 agagagtaat ataccttgta a 261

<210> 36077  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888930H1  
 <400> 36077

ttcttggaact cattggtgga agtgtgtcca tgaagaacgt agtagccagt aacaccgtaa 60  
 tgtctcatct ctctcactcg tgacactttc ttcattcccta acccattgtc atgagtgtccc 120  
 tcaatttgaa cgcattggcca cgccccagat ccagatccag atcccgatcc ccaacctttc 180  
 acgccgtcaa taagttaccc ttcttcaccg ttaccaaacy gagagcattc tcgctctctg 240  
 cgggtgctcac ggtagagacg gaagag 266

<210> 36078  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888931H1  
 <400> 36078

caaaacagag caaagagaga gtgtgtgaaa agtgaaacaa aaaacagaa aacaatggcg 60  
 aacttaagg ttcctcagcc tcttcccccc gttgcagatg attgtgagca gctccgaaaa 120  
 gccttctcag gttggggaac taacgaggag ctgattgtat cgatcttggc tcataggaat 180  
 gctgctcaga ggaagcttat cagagaaact tatgccaga cctatggaga agatctctc 240  
 aaggccttgg acaagaatc ac 262

<210> 36079  
 <211> 261

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888932H1  
 <400> 36079

attgagggag aagagaagtt ttgtgcaaaa tccttgggaa cagtaattgg ttttgccatt 60  
 tcaaagctgg gaaagaacat tcaagtactt tcaagttcct ttgtcaataa gcaagaccaa 120  
 tacactgtgg aaggagtgcga gaatcttggga gacaaagcag tgatgtgtca taggctaaat 180  
 ttcagaactg cagtatttta ctgccatgaa gtccgtgaaa caacagcttt catgggtcca 240  
 ttggtggctg gtgatggaac c 261

<210> 36080  
 <211> 96  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888933H1  
 <400> 36080

gttaccttac accgctttat acatattcca ggaaagtttg taatgttgct ggaagaaatt 60  
 ctgatttaat tcaggcccggt tttgccgtca ctttat 96

<210> 36081  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888935H1  
 <400> 36081

gttccatcct tatttgtgaa tccatctgac catatctgct ctgagtatgt tggatacttt 60  
 gagcacagaa gaaaaatgga ggagattggt gcaggaaaca ttgaaaagtt agccactcaa 120  
 acttccctta attgtctact gatgggtgtg ttggggaagg aatctgatga acccctgcac 180  
 ctcattcctt cagcttctct gacagttaat catactcctt caaaggattt caaagaagct 240  
 catgggattc accaatggtg gaaacctg 268

<210> 36082  
 <211> 267

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888937H1  
  
 <400> 36082  
  
 gttattgtgt atatacattg acattcgtgt atcaagcctg acaagatgag gccaaaataa 60  
 ctgattgtgc caaaaataca gaaactgact actaacaggt gccaaaatcc tatgaaccat 120  
 gaccctgagg acccgataag catcggttgc ttgattttct atattgaaat atagaaaagt 180  
 tgggtattcct ttgtctgttt gggtgttatt tgattaaatt gaatgtaata ctacagcaga 240  
 tgggacagcg gaaacaatat caatggc 267

<210> 36083  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888939H1  
  
 <400> 36083  
  
 tgtcaatatc aggaaagaga cccttaggct cgaacccgat gaacaaaatt ctggccacct 60  
 cctcgtttcg ttttccttcg atgccaccgt ttctgggagc attgccatat atttccttgc 120  
 aaaagaaggt gaaggctgca tcctcacacc aatgaaggaa aaccatcttg caccggtgac 180  
 tgtgcatttc gagcaaggtc ttggccagaa gtttagacaa gcagctggaa ctggtattga 240  
 tttttcagtg tttgaggagt ctgagtt 267

<210> 36084  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888942H1  
  
 <400> 36084  
  
 ataccattct tcattgggtc cgaaaaggaa caaactccaa gggcaggcat gaattctttt 60  
 tagacacttg tcctagtgtc ctactcacia taaaactcca attgatagtt tcttcctttt 120  
 ggtgtctgta atttttgctg tcactataca tgttatgcta cttactgctg cttatttgga 180  
 accggtacag gcaaactttt gtgaaggcgc tggaacctt tgtaattgg ctggaggagg 240

ctgaagagga tgagtaagtg t

261

<210> 36085  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888944H1  
 <400> 36085

attcaagcac aaatatgacc tatggcattt gccctaagac atcactaatt catctgaaag 60  
 ttaaccatca gcttggaact tctgcaattg gttcgggtgtg tgagaaagca agtagtgtgg 120  
 tgcataga tctggttggt tctcagggac tggttcttaa taagtcagta aatacatctt 180  
 tgaatacaga gagtcttaaat caaaagcctt tgaaaaaatc aaaaaagaag ttccttaagt 240  
 atcaggtatc ttggatgc 258

<210> 36086  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888945H1  
 <400> 36086

ggccccgaga aggaggagga ggcatacggc ggaggagtgg cggaggagga gaaaccgacg 60  
 gagacggaaa cggagaagct gaagaaggct ttggtggatt cgttttatgg cacggatctt 120  
 ggactgaaag caacgagtga aacgagagca gagatcgttg aactcatcac tcagctagag 180  
 gccaagaacc ctaaccctgc tcccactgac gccttgactc tcctcaacgg aaaatggatt 240  
 ctgcggtata cgtcctttgc a 261

<210> 36087  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888907H1  
 <400> 36087

gtctgatcga cccttatgat tagcatttcc ttttcttttt tgtgcacgtg tccttttggg 60

atttcctagg tgattggttt ttggtttgtc tgaaatagta acaccacaca ttgaaatcca 120  
 atgatttctt ccaaagagg acagagcata gtccttctgt ccacacttta tgaaatgatt 180  
 tgtaatggag atccaataat ttggggatgt ctttagatag cattaccaat acaagagact 240  
 atgtatccaa aaagagaaaa aaagaaaaga 270

<210> 36088  
 <211> 221  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888871H1

<400> 36088

aaaccagaaa aagagcaacc gagcacggtt gttgcggtat ctgagccggt ggctacagaa 60  
 gtagaggaaa aaacagaaga accagaaaaa gaattgcaag aagctgagaa accaagcata 120  
 gttgcagtgt cctgaggcgc tgtggtgtac attgagttgg agggaaaata acaggaagat 180  
 accagagaaa agcaatgcmc caaggatggc tgcaagaaag c 221

<210> 36089  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888872H1

<400> 36089

ggaagaggat ggtgaagcag acgaccatat gtgaagagac taaaatgtga agatgcctgt 60  
 gtcttactta tgctatgtga tgcgtaagtg tgtttgcctt gcactccaac gtgaagaaga 120  
 ttgtaattac taatagtgtg tgtacggttt gcgggataat actttgatgg tagtgagagt 180  
 ggagtttggg acctttgggt acatgttatg cggcacctat cggtttgttc t 231

<210> 36090  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888874H1

<400> 36090

aaataaactc gagtatggat attgtcagga agactatttg tattacgtta caagtaactc 60  
 tttaaataata gtataaaaag agttacttgt aacgtaatac aaataaactc gagtatggat 120  
 attgtcagga agactatttg actttgtttt ttcaaccccc caataaattc gaatattatg 180  
 gttatgacac tgtttttttc agcattcatt tttctataat agagagttct a 231

<210> 36091  
 <211> 231  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888875H1  
 <400> 36091

ctacacacac ctcagaagaa cagaacagaa ccaccacata acagtgcctt tcaaaggcgg 60  
 tttgagcaat ggcgttctta aataaaattg ggaatctgct caagaattct gctgtcaagc 120  
 acatcaatca ggatttttcg gcgtctacca cttcactttt ccaagcaatt agatccatgt 180  
 catctgcaaa gcttttcgct ggaggtattt cttacagcac tgatgatatg a 231

<210> 36092  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888876H1  
 <400> 36092

aaaacaaaga gtgtgtgttg ttgttgtgtg gtttggtttt cacttttgtt catcgtttgc 60  
 gagacacaca ggagagaaga gatggcgacg aggggtggtg cggaacagaa gccgaagacg 120  
 aagattgtgt gcacgctggg gcccgcatcg cgctctgtcc caatgatcga gaagcttctg 180  
 cgggcgggca tgaacgtggc tcgcttcaac ttctcccatg ggtcccacga gta 233

<210> 36093  
 <211> 236  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888877H1  
 <400> 36093



ctgttatgtc actagatttt caccctaata aagatgatct tatctgctct tgtgatgttg 60  
 atgggtgagat aagatatttg agcattaaca atggcagttg tgctagagtc tcaaaggggtg 120  
 gcacagctca aatgagattt caacctcgtc tagggaggta cctagctgca gctgcagaga 180  
 atgttggttc tatactcgat gtggaaactc aagcatgtcg atattcatta aaagga 236

<210> 36094  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888878H1

<400> 36094

aaaaaagaaa aaagtttata ggtgcctaga agaaaagaca atatagtgtg gagcaattac 60  
 gtttgatcac aagggaaatt aaaggtgcaa cggttttgca agatagcata gaagattttg 120  
 aagaatctta gttgcaatat agttgtgcag ttgttgaaat gggggctcct ttatcagcat 180  
 ggcctttgga gaactttgga acatacaagt atctattgta tgggccgttt gtggg 235

<210> 36095  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888879H1

<400> 36095

aatgagcaa attttgaaga gaaaaacaaa cacctttgct caatttaaac tcttcagcct 60  
 tttgctccca ccaccttgac cttgtgtaca taatcagatc agcagctacc tgtgcagcaa 120  
 atcaatcaaa atatgctcca agcttctaata tctaaagctt gctggcaaaa tacttgggaa 180  
 aatagctatg atacaaaatc tacatccttc tggtatcctt cctaaatata tgcaagcagc 240  
 ccc 243

<210> 36096  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888882H1

<400> 36096

caacacaacc cacactcctg tctcttcaat cgtttgagtt tgagtttgaa ttgatttg 60  
acgaggttg aggtttgcaa tttccttcgg ttgtgacctg tgaatccgat tgtattctga 120  
attagggttt aagctttaca cacagagatg ggtagcccct cgaagaagaa cgaaagtaag 180  
gggtttttcg ccgccgtgtc ttccatgttc accagcgctg tcaaccgatc ggtca 235

<210> 36097

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888883H1

<400> 36097

cccttcacct cgtcctccgt ctccgtggtg gcatgcagat cttcgttaag accctcaccg 60  
gcaagactat taccctagaa gtcgaaagct ccgacaccat cgacaacgtc aaggctaaga 120  
ttcaggacta ggagggaatc cccccagacc agcagaggct gatcttcgcc gggaagcagc 180  
tcgaggacgg acgcaccctt gctgactaca acatccagaa ggagtcaact ctcca 235

<210> 36098

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700888884H1

<400> 36098

ccctttctgc cctcagtc a ctctccctca cctatacctt cagccacact ggaccaccac 60  
aaacttctcc tctcagcat catatcttct gagttctgag tgttccattc caattccaag 120  
ttacaacttg gctgtgtcta tggatcgcg ctcagcttctg ttgctgggtg taccctctt 180  
cctcttctgc tctgacctct tctccctttt cactcatcat 220

<210> 36099

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700888885H1

<400> 36099

atctaaatct caatctctgt ctctgtctct gtccgcctca gctttcactc caaacccctaa 60  
ccaaccgatc tctttcgctt atccccgaaa ccttccgaat cgtttaattg acgctacgcc 120  
gtggaatctg ggcggaacaa atccacgatg gcggcctcca ccaccagcca ggtctacatc 180  
caggtaatcg acgatgtcat gaacaaggtc cgcgacgagt ttgtcaacaa cg 232

<210> 36100

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700888886H1

<400> 36100

ctcagagaac cttaataatt actcattcaa atcaggcttt gaatgacctg ttcgagaaga 60  
taatgcagag agatgttctt gcacgttatc ttcttcgact tggtaagga gaacaagagc 120  
tagcaactga tcttgatttt agccggcaag gtcgtgttaa tgcaatgctt gttagacggt 180  
tagaattgct gagtgaagtg gagaggctag caagatctct tcaattgccc gag 233

<210> 36101

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700888887H1

<400> 36101

tgtgcttctt gccgagcatt attccccaag ctatgcagaa cagctgaaga acaccctgaa 60  
attcttttcc tcaaagtaaa ttttgatgag aataagccaa tgtgtaaaag gttgaatggt 120  
aaagtacttc cttacttcca cttttatcgt ggggctgagg ggcagcttga atcattttca 180  
tgttcacttg ccaagtttca aaaaataaaa gatgccatgg agatacataa c 231

<210> 36102

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700888889H1

<400> 36102

ggaaaaaggg gtttgcagtg ttccaccac acgcacgcat aagcagaagc agaagcgcaa 60  
 gcgcgtgtaa ccctaattag ggtttgcaag ccgatttggg attcgcttt cgcgatgatcg 120  
 cagcgctgga tccgtaccgt gttcctccgt ctacggaagc tccttttgct cgatccttcg 180  
 ccgatctcgg aagcatgtac ggtccccgag gggcaatggt gggaagcg 228

<210> 36103

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700888892H1

<400> 36103

atttgagaaa tataagggttc tctgacaaga atgaagagga gagacattgg gtctcagaaa 60  
 caacaagagg ttgttctgag gttgaaggat tgggcctgtc caagaaaaag acacgtagcc 120  
 atgagcctgg gatttttgtt gtcactgctg cactgggcct cttgacaaac ttcgaagata 180  
 tctacagatt atgggctctt ctttctaggt tcctggatgc tgactttgtg ga 232

<210> 36104

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888893H1

<400> 36104

gtgagagctc tttgagggat cttctccatg gatctgaata tgttcttaca tatgaagaca 60  
 aagatggaga ttggatgctt gatgttcact gattcatgtc ggagactaag gatcatgaaa 120  
 ggctctgagg caattgggct agctccaagg gccatggaaa aatctaggag ccaaaactaa 180  
 tgcagaaaaa acctgtttga ccgaagctgg ttattactga agcatataaa gattt 235

<210> 36105

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700888894H1

<400> 36105  
 atctccttca aaaagcttct catccatggc gaaaacgctc atttcgtctc catcggttcat 60  
 cggcacgccc ctcccctcgc tccctcgcca ccacctcccc caccgcacca ggtttgtcac 120  
 taccaaagtc cacgtcagcg tccatgaact ttcccctatt caatccttaa ttcactccat 180  
 tgacttctcc ggaatcgta ccagatccga agccttctct acacgctcgc cgatgccg 238

<210> 36106  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888896H1

<400> 36106  
 gtgtgacttt cgttggagag agatgcagtt ccattcagaa actccaaaca aacatccctc 60  
 gcgacaacct taggaatctc gatcgccgaa aaaacctatg cagccccgaa cacacacact 120  
 ctgcattcca acttgtttaa atcatgcctc tgcattcacc cttctctctc aataaatctt 180  
 ttggcctatg aaatcagatt cttcgccacc gccacagtca taataaagtt ttatttttcc 240  
 aaata 245

<210> 36107  
 <211> 284  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888901H1

<400> 36107  
 ctgcgatcca acaatgtctc tcaccattcc ctccaacctc tccaagcccc cgccctccg 60  
 ccccaaacta agcccaaagc taagggtccg cgccacaacc accatcgtct gcagcaccac 120  
 caacaacaac aacaacaaca acgtgtcctc cgacctgaag gcgttctccg ccgcgctggc 180  
 cctctcctcc atcctcctct ccggccctct ccccgccggc gccgacatct cgggggtcac 240  
 cccatgcaag gagtcgaagc agttcgcgaa gtcgagtaag cagt 284

<210> 36108  
 <211> 277

<212> DNA  
<213> Glycine max

<223> Clone ID: 700888902H1

<400> 36108

ctccaattct ataccttcaa accctggatt ttcacagtcc caaggacatg cccagattcc 60  
tggttggttat caaggacagt ttccactgtc ccaggcccat cctattgtcc aagctcagtc 120  
caaggcccag gccaggccc aggcccaagc agcagctgca gctcatgtc aactccaggc 180  
tcatttgcaa gctcagggat tgagtcttaa tcagaaccag gctggtggtt tgggggtgtc 240  
gtcacctgtg atttccacgc cgggtaatgc tagtggg 277

<210> 36109  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888903H1

<400> 36109

cggtctgagc tttttcacc caaactctt gtattgtggt gaatgtttga gtgcagaagg 60  
tataaaaaat ggtggtgaag attcgattgg caaggctcgg gtgcaggaac caccattct 120  
atcgctggtg ttgtactgat agcaaaacaa caagagatgg caagcaactt gaagttttag 180  
gtttctacaa tcccgtcgca ggcaaggatg atgagaaaag aatgagcctc aaactggaaa 240  
gagtcaagta ttggctttct gtcggagcta agcc 274

<210> 36110  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888904H1

<400> 36110

aggctatgtg atttaccgtg ttcgtgttag gaggggtggc cgaaagagac cagttcccaa 60  
aggattgtt tatgggaagc ccacaaacca gggagttacc caactgaaat ttcagcgaag 120  
caagaggtca gttgccgagg agcgagctgg acggaagctg ggtggactta gggacctcaa 180  
ttcttactgg gtgaatgagg tttgttattg tattacttct gttgaaattg aaatttggtt 240

gtgaatcatg tgttgatttg gtaaa

265

<210> 36111  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888905H1

<400> 36111

ctcgagcgtg ctggaaaaca tctaagggc ttgtgttga ttagctcctg agaacaaaat 60  
gacacctggag tacaagtga gttcaaagtc ttaagagtaa tggtttggga tactgtagtt 120  
gaatgagatc aaaacttaac tcatatccca taccctcttt tctgttatat atttatggca 180  
aatgtgaaat ttaaagatcg ttggatctct ctatctttgt tctgctgac taatttgaga 240  
gcaggctatc tatgctatgc atgcatgt 268

<210> 36112  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888906H1

<400> 36112

gcacaggaca gttgaagtaa atggcataaa aatgcacatt gcagagaaag gagaaggccc 60  
tgtggtgttg tttctccacg gcttccccga actctggcac tgttggcaca accagattgt 120  
ggctcttggg tccctcggat accatgcggt ggcaccagat ctccgaggct acggtgacac 180  
cgatgcacca ccttcaatag acagctacac atgctttcat atagtggctg atctcgttgc 240  
gcttattgat tctcttgggt cagagcaagt 270

<210> 36113  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888865H1

<400> 36113

tcaagatgaa gttcaacatt gcgaatccca ccaccggttg tcagaagaag ctggagatcg 60

atgatgacct gaagctgcga gcattttggg acaagaggat ctcacaagag gttgttggtg 120  
atgctctggg tgaggaattc aaaggttatg tcttcaaaat tactggaggt tgcgacaagc 180  
aaggatttcc aatgaagcaa ggagtgttga cccctggctg tgctcgctc ttgctgcata 240  
gagga 245

<210> 36114  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888821H1

<400> 36114

tagcgatctg cgaggatata tatgctgcta gagctgaggg tgagcttgga attgaagagg 60  
tcctttactg gactctagtg aagatatacc ggtccccgca catgctgctt gactacacaa 120  
aacctgatta aaattcagtg taccattttc tggtcactaa cagctaacca ggtccaatgc 180  
tcacatgggt tgactgacat tgaacgatgt cagagtcagg agcaatacga tgctggtttc 240  
t 241

<210> 36115  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888823H1

<400> 36115

ggttctactc ctttctctct tegtctccga tcgatccaat tttcttccca tggctacgat 60  
cggacacaac aatctcaatg ccaaattggt tcttctcggg gacatgggtg ctgggaaatc 120  
cagcctcggt ttgcgctttg tcaagggtca atttctcgaa tttcaggaat caacaatagg 180  
ggcagcggtc ttttcacaga cgctggcagt aatgacgcg acggtaaagt ttgagata 238

<210> 36116  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888824H1



<400> 36116

gacaacttct acagagctgc cagaaatctc aattcagaca tctacatgcc ttatagaagc 60  
atccccaata gaccagcaa ttccaatgga cccttgctt gcaatctcaa caggccctga 120  
acaggagatg tcaaagaaaa agaagaaaag gagagtaagc ttgaaagtga agcggcagaa 180  
ctcaatgaac actacaagct gcctgaagct gctccgctg aggccctgt tcagaaatc 239

<210> 36117

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700888825H1

<400> 36117

atcttcatat tcatcaaact catcaaatg aatctgtacc actcctccac caccaccacc 60  
accaccacca tcttcaccgt catattcctc ctcttgcaa tattattcac tctcacacc 120  
cacaaggcca acggtgccac gtgtcaccct gaggaagaag cgggcctgtt gggcttcaaa 180  
tccggtatcc gatccgaccc gtccggcctg ctcaagtaact ggatatcggg tacggactgc 240

<210> 36118

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700888827H1

<400> 36118

tttttagcaa gactggtaaa gaaggttggg tttctcttgg agggatactt ctttgtatca 60  
ctggtatgct agttcttgat ctacataaca gttaccgaa attcagtata aatttattgt 120  
gatgttatgc tggatattcc acacttctgt tttaacttta caaatttagt ggagctttaa 180  
tttactagat gctgagactt ttagaattca gatgctagag ttctctaact gcttatt 237

<210> 36119

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888829H1

<400> 36119

gagatagtga tgggacgaac actgagacgg aacgaagcaa gcttgtgttt ttcgatagga 60  
 ggaaccagtt tgagttggag gatctgcttc gagcttcggc ggagatgctc ggaaaaggaa 120  
 gcttgggaac gggttacaga gcggtgctcg atgatggttg cactgtggct gtgaagagac 180  
 tcaaagacgc taaccctgc gagaggaacg agtttgaaca gtacatggat gttgtaggga 240  
 a 241

<210> 36120

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888830H1

<400> 36120

acctcactca ctgattctca aaaactcaaa agatggtgat gaagaaaaac cttctcttct 60  
 cactttcact tctcctaata gttctcttca cttcatctca aaccacccca gcaccatcac 120  
 cttctcaaac cccaacagac atcatcagaa tctcaaaaa agccggagga ttcaccaccc 180  
 taatccgtct tctcaccact acacaagtct caaccctaat caacgcccac cttctgaact 240  
 caaaca 247

<210> 36121

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888831H1

<400> 36121

cctgatttgg tgagaaagca tttgggaaga gttgtccct cgcagacaaa ctactacgcc 60  
 gcgttgaacg ccgccgtctt cagcgacggg tcgttttgct acattccgaa ggacaccaag 120  
 tgcctatgc agatttcgac ttacttcaga atcaacgcgt tggagacagg gcagtttgag 180  
 aggactttga ttgtcgccga tgatcggagc tctgtggagt atctggaagg gtgcactgcg 240  
 ccttcct 247

<210> 36122  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888832H1  
  
 <400> 36122  
  
 ctcgagcgca tcaatgttgc tgttgctgtg gcaattaatg gtggtttgat caccctgtt 60  
 cttcaggatg cggataagtt ggacttgat ctattgtccc aaaaatggaa ggagctagt 120  
 gaaaaagctc gtgcaaagca gttgcaacct catgagtata attcaggaac tttcacgctt 180  
 tccaatttgg gtatgtttgg agttgacagg tttgatgcca tacttccacc aggccagggt 240  
 gctatcatgg 250

<210> 36123  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888833H1  
  
 <400> 36123  
  
 gccattcca acttcgatcc caaaacctac gtggacatgc ctctcaagtc cgccctcacg 60  
 gttaccgagg acgcgttcca gaagcttccg aggaacgcc aagggtccgt gccggttgag 120  
 gatttgaagc gtttcataga ggcctacttt gaaggtgcag gggatgatct ggtgtaccgg 180  
 gaccacagg atttcgttcc cgagccggag gggttcttgc tcaaggtgaa ccaccctcag 240  
 gttaggcct 250

<210> 36124  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888834H1  
  
 <400> 36124  
  
 gaagaagaag acgaccagcg gtgcagcttc gaaattgctg gccatggcga agaagctaag 60  
 ctogaagccc accattttgt tcatcttctg ctctttcatg cttttttgcg cttttcttcc 120  
 tgttttctgct cctcttctt ctttctctc tcaccattct catcgcaata cagtttacag 180

aaagttcgag atcgccaacg ataggttctg gaaagatggt gaaccatttc agatcatcgg 240  
 tggtgacg 248

<210> 36125  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888835H1

<400> 36125

gtcaaataga tgatgctctg gatattatgt gcgagcttgc agttgcttta gaaaagcatt 60  
 gacttggtca tgccttttct gtttttttgc tttgtatacc attttttagtt ttaacctttg 120  
 ttggctttct tagacagaac ggagtcacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ca 232

<210> 36126  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888836H1

<400> 36126

aagctgcgaa gttaaacttg gttgcatgcg aagagcaaga aatatgagac caaacatcgt 60  
 ttctgaggcc gggtttccta ctaggatgag ccaatgggtg gaaagcattc cgttttctcac 120  
 ttctgcagtg gtggttgtct gtggagtcac ttacttgatt tgtcttttgg ttggatatga 180  
 ttcttcttac gaggtttgct tcttgccatc tgcggttggt tcacggtttc aagtttacag 240

<210> 36127  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888842H1

<400> 36127

ctttccttaa aggattccct cctaatttgg tgggattatc ccaagtttca gctgctacca 60  
 ctcatcagca ttgccatttc ctgtttcact caccacatgg aaaagcttat tcgcatgttc 120

cctttgcttc ttcttcttct tctgttcccc acttttgcct tcgctggcca tgactatggc 180  
caagctctga gcaagagcct tctcttcttt gaagcccaga gatctggcta ccttcc 236

<210> 36128  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888844H1

<400> 36128

tgttgaaagt gatcccagct ggatcttcta gcggtgcaaa gaaggctttt actggaatgt 60  
gagctttgat ttccagtttt tattgaagat aaatgttacc ttattaatta ttatatctga 120  
tttcttttct ggatgataac aaatatgaaa accttgtcaa ttttggaattt tctttgaggt 180  
ttcgttctgg ctttatgttt aggatcttgt tataatacat tatggttttc gaat 234

<210> 36129  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888845H1

<400> 36129

atcgtagcaa agaaagaaag atagaaaacc ctagcttacc ttttcaactt tcaagatgca 60  
aatctttgtt aagacactca ctggtaagac aatcaccctt gaggtggaga gttcagatac 120  
catagataat gtaaagtcca agattcaaga caaggaaggg atcccaccag accagcaacg 180  
tctcattttt gctggcaagc agcttgagga tggacgtaca cttgctgatt acaacattca 240  
a 241

<210> 36130  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888847H1

<400> 36130

gggaatgtta ctgagctcat aatagcaata tttgccctta gcagtaacaa aattgccgtg 60

gtcaagtatt ctctgttggg ttctattctt tcaaaccctc ttctggttct tgggacctct 120  
 ctattatgtg gtggcattgc aaacgttgga gtggaacaaa aatatgatag aagacaagca 180  
 gatgtgaact cacttatgct gttgttggga ttgttgtgct acttgcttcc aatgctgttc 240  
 aaata 245

<210> 36131  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888850H1

<400> 36131

attcacaaac caactcccc aaaatctcac tttctctgtt tttgctctgt tttcctctgt 60  
 tttttcctca tcatcacaca ttaaaatgga gggcttaatt ccatttgtgt acaaagctgt 120  
 aatgcaatac aagaatgaga aacaagggcc tattggttca tggctttgtg agtcaccttc 180  
 ttactcatac atgaaacttc ccggcgactc aggtcggttt caaacctctg cttcttctcc 240  
 gtt 243

<210> 36132  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888851H1

<400> 36132

ctccgatgaa gcccacgcac aatcagatag aaaaaagata atcaaaattt tacttccaaa 60  
 cccaacacaaa tcaaagaaat gaaggataag gagacattcc ctattgcgaa aaaggaagcc 120  
 tctgattcag gtttattcgg aagaggaagc tacaaattct gggcactagc tgccatgctg 180  
 ctcttgatcat tctggtccat gttcaccggc acagtctctc tccgctgggc cggcaccct 239

<210> 36133  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888854H1

<400> 36133

ctgccttgaa agtgaacata ttactattc tgatcacggg gattccttca gctgctccaa 60  
 ctttgttgac ctggattggc tatcttcttc aggaaattca tgtgaagaag agtcatttga 120  
 gaggtcatca attaccaact ctccaattgc tggagtttct tcagaaaatg ttgtcaatgg 180  
 aataatggta ggtgaggcaa ctgcctccac tagtgattgg ggggcctcca gcct 234

<210> 36134

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700888856H1

<400> 36134

actaattcgc cttggttttg agggatatag aaacgtgatg gaaaactgca gagacaacat 60  
 gttggtgctg aaagaaggac tagagaaaac agggagattt tcaattgtgt ccaaagacaa 120  
 tggagtgcct ttggtggcat tcacactgaa agaccacacc cactttgatg aattccaaat 180  
 ctctgacttc ttaaggcgct ttgggtggat agtgccagca tacaccatgc cccagat 238

<210> 36135

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700888857H1

<400> 36135

gtggacctga agttcccttc catcctggaa gagaggacaa acctgagcca ccaccagagg 60  
 gtcgcttgcc cgatgccact aagggttctg accatttgag agatgtgttt ggcaaagcta 120  
 tggggcttag tgaccgagat atcgttgctc tgtctggggg tcacactatt ggagctgcgc 180  
 acaaggagcg ttctggattc gagggtcctt ggacctctaa tcctcttatt ttcg 234

<210> 36136

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700888859H1

<400> 36136  
 cgacaaatta ggccgaattc tgataacttt tacgccgacc gtacagcact gtagcatggc 60  
 cacgggttatt ggactttgtc tcagagttaa actgaagcac tacttccctc ctcattacaa 120  
 agtggacatc aaggtttctc ctggatctca tgccaacgaa gaatcagtca ataagcagtt 180  
 gaatgataaa gaaagagtcg ctgctgcctt ggagaatcct aacctccgcc agct 234

<210> 36137  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888863H1

<400> 36137  
 agaggttgaa gagtattggg atgattgata gcgttcctgg aatgaaggct ttggatatga 60  
 atgctgctga ggacgctatt gtcaggctca ctagggagat tgtgcctggc atgattgtca 120  
 ctggcatgga ggttgcagaa attgatggct ccccgagaat ggggccgacg tttggggcga 180  
 tgatgatatc agggcagaag gcggctcatt tggcgttgaa ggctttgggt aggaacaatg 240  
 c 241

<210> 36138  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888864H1

<400> 36138  
 ggaatttata tgatggaagt tgatcgagtt ctaaggcctg gtggttattg ggtgctttcg 60  
 ggtcctccaa tcaattggaa ggctaactac aaatcctggc tgagacctaa ggaagaactt 120  
 gaggaagagc aaagaaagat tggagagact gctaagcaac tttgctggga gaagaggtca 180  
 gagaaggctg aaatggccat ttggcaaaag gttgtagact ctgaatcatg tcaaaggaga 240  
 aa 242

<210> 36139  
 <211> 243



<212> DNA  
<213> Glycine max

<223> Clone ID: 700888820H1

<400> 36139

aacaacagca caaagcgggt tactgtctgt tcaagctacc atctctctct ctctttctta 60  
gtgcctcctt gccagaagtt aaaatggccc aagaaacttt cctattcaca tctgaatcag 120  
tgaacgaggg gcaccctgac aagctctgtg accagatctc cgatgctgtg ctogatgcat 180  
gcttgagca ggaccctgac agcaagggtg cctgtgaaac ctgcaccaag accaacaatgg 240  
tga 243

<210> 36140  
<211> 226  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888776H1

<400> 36140

cacattgctg ttcaccattt tcaattttct aagtggtttg gcttggtttg acatacataa 60  
acctttcaag atttcagagg ggcagaagat caaagccaag acattctctc gtatataaag 120  
agtgtttctg atttgatctt tgtctcttct ctttctcttg tttgagattt ttcattactc 180  
caccaaggctc ttgtcagaaa agcttgaatt tttcgtctac ccttta 226

<210> 36141  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888778H1

<400> 36141

tgcacctcct tcaaccccgga taatgagtc ttttggcacc ccaggattga atcagacatc 60  
tactgaggggt gcttttctac agtggcctag tgctgcaatg atgtttgctc attcatatga 120  
ccaatcctta catgggtgtt tccactctcc atttgggtcaa ctaccgttga gctttgtcta 180  
ttcacagaac tattagatga catttccggg gagaatatc taattggat 229

<210> 36142  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888779H1

<400> 36142

acaaaccagt ttttggaaatc attgaaagca gaaggtagagg tcattcttga agatgttcag 60  
 ccaaaactct cccactctcg ggtttctgcc ccaccaccta ctgattctat cactttgact 120  
 gttgaggata aactaaatgt gacactttaa cgagatgggtg gtctcagtaa ttttgatgtt 180  
 caaggcacat tgtctctcca aattcttaac caagaggatg cacatattca a 231

<210> 36143  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888780H1

<400> 36143

gaagaatctt gctggaagtc tcacatatag gtatgacctg gttgacttga cacggcaagt 60  
 attatcaaaa ttggcatacc aggtatacca caaggcagtt acttcttctc agaagaagaa 120  
 tattgaagcc ttgcaatttc acagcaatct agtttcttca actgtcaaaa gatattgatg 180  
 tattgcttgc ttcggttgat aactttctct ttggaacttg gcctgagagt gctaa 235

<210> 36144  
 <211> 97  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888781H1

<400> 36144

cacttgtgtc ttcgttccat tatctagttc tcaattctct gcaccctttg cctctgaaag 60  
 aaatgggtag tctcttagcg gaaagaacaa cagtagg 97

<210> 36145  
 <211> 97  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888782H1

<400> 36145

ctagctttct tctccactct ctcaaattgc ccaaaatgat tccaacccta ctccgcctcc 60

ggaaccccat gtcttggcgg aaccattac tgaggat 97

<210> 36146

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700888783H1

<400> 36146

ttggaagttt gcttaaaaga cacggagatt tgacagagcg tcttgctagg gattctgaca 60

agataatatt tgtgcgtcta cagaaggagt ttgaagctgc actagcttct caaactgaag 120

agatatgttt agacggggaa gagtggaatg atggactatc tagctacaat aagagttcgg 180

gtgcatatgg ttgcagacag aaaactaatg catggggtcg ctgacatatt 230

<210> 36147

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 700888784H1

<400> 36147

ctcaaacaca aacatccctc ttgatttgaa ggttggtttg tgcttataga taaaagttct 60

gccaaatcac ttgggggttt cagatcatag tgtg 94

<210> 36148

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700888785H1

<400> 36148

gtttgaacac agatccacca aactctggtt ggagaggctc ttctgaggtt aaatgctgtg 60

atccagcatc ttaatgctct tcattcagat aatgtaatgg tatatgacaa tgctgtttcc 120

gctttgggaa aaatttgcca ttttcatcgt gacagtcttg attctgccc ggtagttcct 180  
gcattggtaa actgtttgct attaaaaggt gatctgattg agg 223

<210> 36149  
<211> 93  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888786H1

<400> 36149

ggcaaaggca ttgaaccaga tggttgatca aactccgctg cctctacttt tcatgagaac 60  
agttattcct gcaattgatg cttttcctgc aat 93

<210> 36150  
<211> 91  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888787H1

<400> 36150

ttttcatctt gtaccgtgaa ggctcttctt gcctcccgt actttccctt tcccgattaa 60  
tctgctccct tgtttgttca ctcatcaaac c 91

<210> 36151  
<211> 224  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888788H1

<400> 36151

agaaaagaaa atcctcaccc attttcttcg tagccaaaca ctctgaaatt ctgagttatg 60  
tcgtggcaat cgtatgtgga tgatcaccta ctgtgtgaat tcgaaggtaa ccacctcact 120  
cactccgcta tcatcggcca cgacggaagc gtttctgctc agagcaccaa cttccctcag 180  
ttcaaacctg aggaaataac tgccatcaat actgacttta atga 224

<210> 36152  
<211> 223

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888789H1  
  
 <400> 36152  
  
 actttcccaa gttttctctc tcacaccctt catttacaca caacggaatc attctccttt 60  
 ctgctaacat ttttgctttt tcttcatggc tttctttctt tttgctattt taatcttgat 120  
 gggtccttct agtaatgcct tttggccacc ttcacttggc tactggccaa tttccaaatt 180  
 caggtctatg agtttttatt aagggttttag attcctctgg ggc 223  
  
  
 <210> 36153  
 <211> 93  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888790H1  
  
 <400> 36153  
  
 tgctgttaat aaaattaagc caacagtgtt gattggaaca tcgggacaag gaagaacatt 60  
 tactaaagat ctgattgagg caatggcttc tat 93  
  
  
 <210> 36154  
 <211> 94  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888791H1  
  
 <400> 36154  
  
 ttttcttgca caaggaatgg ataatggagc agtgggataa aaacttttac attacttcta 60  
 ttgcagggag ttcaatggca gctctcttgt ggtg 94  
  
  
 <210> 36155  
 <211> 95  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888792H1  
  
 <400> 36155  
  
 ctgtttcgcc cgagttgggg aaccggtcac agtatgttag agttcaactc cctggactta 60



cacatttcat tttctttact tctttaatgg cccaggattt ctccaaagct gttgatgacg 60  
gcctcaagct ctcccttcgc atatacttcg ggaaggaca 99

<210> 36160  
<211> 236  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888803H1  
  
<400> 36160

tcgtcgatca ccgtacttcg gcccgaggc aacgaactct tcacagacgt tggcatcgca 60  
ttcgacatga tgcttctcgc tcacaacgcc ggtggcaaag agaggaccga agagaactgg 120  
aagtggctgt tcaaggaaac cggtttcgcg cgtcacaaca tcatcaagat caacgctctc 180  
ccttccatca ttgacgcgtt tccaatctga acaagatgcc actaccacaa ctgcat 236

<210> 36161  
<211> 239  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888804H1  
  
<400> 36161

gtacaccaac agtcgcagtg tgaggttgcc gcggttctgg caagatgcct tcgaggctgc 60  
ctatgaggat ttgacgagcg atgtcgctga ggtcagatac gctgccgtcg ccgagatcgc 120  
caagatgtct gttcgctcca ttcatTTTTA tccacctctt cttcaatcca cgagtgtccc 180  
atatttcagc aagagcctgg aggaagccga gataggtaaa gatgcaacaa cctcaaggc 239

<210> 36162  
<211> 159  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888805H1  
  
<400> 36162

cttctaaaga aaaagctgag tgctccacgc gaggaagaag agaacattag caaaggaaaa 60  
aaagataaaa gagaaagaag gagagagcga gcagaataag gtgtctctct tggactgatt 120

cgcttcaatc gcatctctat tctctagtagc tcattcatt

159

<210> 36163  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888806H1

<400> 36163

gtctgctggt agatctgtac ccgcctagcc attgatttgg aaaagtccaa ctccaaggat 60  
gagtaagctt cagagtgatg ctctaagaga agctatctca ggaatcatgg ctgattccaa 120  
ggaaaagaac aggaaatttg tggagaccat tgatgtccaa attgggttga taaattatga 180  
tccccagatg gacaagcgtt tcagtggctc tgtaagtgtg cctcatattc ctgcgccccaa 240  
gat 243

<210> 36164  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888810H1

<400> 36164

aaaacaaaag gggttttctat tcgattcgac ccatacttct tcaaatcgcc atctcatcct 60  
ttctcaccaa ccaataccaa agactatggc gagcgcgggc aagtatccaa gtccgactcc 120  
cccatcgata atagaagtga agaagccgcc gccggttaacc ataatctctg gaccctctgg 180  
accctctgga acctctggag ccttatacaa ctatgctggg aatgggaata gcaagacca 240  
a 241

<210> 36165  
<211> 226  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888775H1

<400> 36165

ttcttttgggt aaaaaaatt gatttctgaa taatataaag tcttcaaag tacgcttccc 60



cttccacctt tctttccaac gttcacaaag gaagggtggt attaaaatgg aaagcaacca 120  
tagcatgagg caaaacacca tggtaacaga gtttgagggtt cttgctgcca gtgatggcag 180  
aaaagctggt tgtggagtcc tctgtctctg aactatgtgg aggttt 226

<210> 36166  
<211> 241  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888811H1  
  
<400> 36166

gtcagaacgt ccttgctcaa ctgataatgg aaccggtcat aaccatacag .gtgcttctat 60  
cagtggcagc gcaccggctt ctaaggcaca ggttggttgg tggcctccta ttagatcatt 120  
taggaaaaac tcaatggcta ccaccactaa caagaacaat ggatgaagtc gatggaaaac 180  
caggtgttgg cgcactctgt gtaaaggcca gcatggatgg tgctccgtat ctaaggaagg 240  
t 241

<210> 36167  
<211> 238  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888812H1  
  
<400> 36167

attacaatga agccagcggc gtaaggtagc ttccacgcgc cgctcctcatc gatctggagc 60  
ccggcaccat ggactccgtc agatccggcc cctacggcca gatcttccgc cccgacaact 120  
tcgtctttgg ccagtccggc gccggcaaca actgggcca aggtcactac accgaaggcg 180  
ccgagctcat cgactccgtc ctgcacgtcg tacgcaaaga agccgagaat tgctactg 238

<210> 36168  
<211> 244  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888813H1  
  
<400> 36168

cacattcaga tactcactca cctgttttta gtagtttctt ccctattttc tgttcataac 60  
 tcagtttgta actatgactg ctgaggttat ggctcaagag gagacacaag cagctgaggt 120  
 tgttggtgct gttgagcccc tgaaagagga gaagggtgct gaagaaaatg tgaaaccaag 180  
 agagtcacat gtggaagcat ccaaacccaa aatggtggag aaaagctctt cttacaagga 240  
 agaa 244

<210> 36169  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888814H1

<400> 36169

atcaaattct cacttcaata gactgcagtc aggcctatct caagctggtt tccctccact 60  
 tgatcacact gcttccccag tattgagagt ctctccaac aatgcagcaa caatgcaaaa 120  
 ggtcggcacg ggtgacaacg tctcttgctt actgtccatg tcaactgcta ctcaaccttc 180  
 aaagaaagtg gatgatgtga aggcacccca attggtgctt tttggccaaa caattctcac 240  
 cgaacagc 248

<210> 36170  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888815H1

<400> 36170

caaaagggta aaagctcggt tgattctgat ttccagtacg aatacgaacc gtgaaagctt 60  
 ggcctatcga tccttttagtc cttcggaatt tgaagctaga ggtgtcagat aagttaccac 120  
 agggataact ggcttggtgc agccaagctt tcatagcgac gttgcttttt gatccttcga 180  
 tgtcggctct tcctatcatt gagaagcaga attcaccaag tggtggattg ttcaccacc 240  
 aataggga 248

<210> 36171  
 <211> 278

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888817H1  
  
 <400> 36171  
  
 gcatgcatga gtacgtaatt cggctctagc aagaatgaca ctatggagaa tcgggttcct 60  
 ggatttgga ctacaatgaa cattctctat ggggatggg tttgtggaca aggtgatgtg 120  
 gactcaatga acaatattgt ttcccattac ctgtattatc ttgaccttct tgggtgttgg 180  
 cgagaacagg ctgggcccc tgacatcctt acatgcgctg agcaggttcc tttcaaccca 240  
 tcttccaaac ctgcttcac atcttaagat tattatat 278

<210> 36172  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888818H1  
  
 <400> 36172  
  
 attaagcaac acacacttca atttatcagc atggcctccg ttcagtgcc caaaacctgc 60  
 aaagtgaagt gccaacagg aaaccagcac gcctcggttg ggcagaaagt ttctgacttg 120  
 ttcaaagggc atcaacataa tgaccacagc tccaattatg ccacccaaac caaagtgtt 180  
 tcccagtcag ggtcagggtt agggcccctt accacaaaa ctcaaacaca atgcgggttg 240  
 ccccaaac 248

<210> 36173  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888734H1  
  
 <400> 36173  
  
 aattaaagca aatccagtac caagtttcta ctatgaagcg cctcccccta agactgaact 60  
 aaagaagctg cactgactt tgccaaaatc accaaagcta agtcggagaa tgagccttgg 120  
 ggatgctctg aactcatctc ctgaagtttg ttgtcgagg cgtcacatca ctggaggtgt 180  
 aggttacacc aagggtggtt ccaatgcctc tttccctcac aaaaacatta ttcgacgc 238

<210> 36174  
 <211> 100  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888737H1

<400> 36174

gaatatcttc tttctctgaa agaaaataat atttctaaat tatctaaagc ctatttcag 60  
 gatgatgttg tactctgcag caagctatga ctttagtttt 100

<210> 36175  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888738H1

<400> 36175

gttaccattc tcaactgggc ctttggttaga aatgaccaac ctagatctga gaccacctac 60  
 cagattgctt tgtctatcaa ggacgaagtg gaagaccttg aaaaggctgg catcactgtt 120  
 atccaaattg atgaagctgc tttgagttag ggtcttcac ttcggaaatc agagcaatct 180  
 cactacttgg actgggctgt ccactctctc agaatcacct ttgttggtgt 230

<210> 36176  
 <211> 72  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888739H1

<400> 36176

aatgattcga gggttttgtg gggtttggcg gttagggttt agtttcagta cttaacaagt 60  
 gagacaagac ag 72

<210> 36177  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888740H1

<400> 36177

ggcgggcaaa ggtgttagtt cgggtggctaa ggcggtagca gaatatcagt atccttggcg 60  
tgagaagttg gggaaatata aggatgagct tgccaagggt gtgtggtgat actgggagct 120  
gggggcatgg aagccgctga gtatcattgc tcggcatcgt gttagaattc gcaaggctgt 180  
cctccttgct ggtgaagatt ggccctacga tcctgaaagt taggagatga 230

<210> 36178

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700888742H1

<400> 36178

gaaaaagaag ggattatttc atcattctag ttttttggct ggaggagcta cattagctgc 60  
tggaaggctg gtggcttaga atggaattct taagtccatc tctgcttata gtggacacta 120  
ccggccatca gatgacactc ttgattgttt cttatcatat ttcaaggaaa atgggtgtcaa 180  
gcttgatgaa tttgagttgc acattgcaaa tgaagattct gatatgta 228

<210> 36179

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700888744H1

<400> 36179

gtttgttggt gtaactcggt cttcttcttt tgttgttctg tgtttggtgt tgtgttttct 60  
ctcacctgaa aatgtcttgc tgcgggtggt actgtggttg cggaatctcc tgcaagtgcg 120  
gcaacggctt cggaggctgc aagatttacc cagacttgag ctacactgag tcaaccacca 180  
ccgagacctt gttcatggga gtggtacctg ttaaggctca atttgaggg 229

<210> 36180

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700888746H1

<400> 36180

ggaggacaga agggcttgac cccggtttacg ctcaagctgt tcagatgaag gagagggatc 60  
 cggtcaccgg gaagatgatg attgtcaatc cacagagcag taggcttgtg tgggaaactt 120  
 atttgactga attcaagtcc ttggggaaat ttgcagtga gctattattc cttcacgcaa 180  
 cctcgtgtgg cttcatatgc aattggctctt tgtggagatg ggtttgtgca caa 233

<210> 36181

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700888747H1

<400> 36181

ctggaagcta cgggcttcct ttctttggac ccatgagtga cacacatgac tatttctaca 60  
 accaaggacg cgacaagctc ttgcccgaac gaattaaaa gtacaacctc acggttatac 120  
 gaaccaacat ctcaccgggt cctttcattc cctctaattc tagagtcac gctctcctcc 180  
 tcggtgtctc cttcctcatt ctattcgacc aatccaaggt cgataagcgc gatg 234

<210> 36182

<211> 103

<212> DNA

<213> Glycine max

<223> Clone ID: 700888749H1

<400> 36182

atcaaggaca atgaagaagc tgtcaaggct tatggaattc acctgggaac tgaaatgtgc 60  
 aaaaagattt tagctcattt aattaagaca ttgcatcttt ata 103

<210> 36183

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700888751H1

<400> 36183

accgaaaccc ttcttcatt accggcgaac gaagtcggtg gcagaaaagg aacaacctcg 60

attcccaaat cgtaaactcc gatgacgacc gctgcaagac ccacatgcgc acctgctaaa 120  
 ggtggcaatt cacaaggcgg tactcgaatt ttcggtccct cacaaaagta ctcttctacg 180  
 gacatcgcat cgcataccac tctcaagctc aggaaggaag ggcaggacac tcag 234

<210> 36184  
 <211> 98  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888752H1

<400> 36184

cacaagttgc aagcattcac tgacgcatat gcagaacttg cgcttgcttt gtctggtttg 60  
 aatgtgcttg ttgattccta ctttgctgac atccctgc 98

<210> 36185  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888753H1

<400> 36185

gagcccgag ccctaactct aaaccctagc aataactaata gtagaactta ttcgcgatct 60  
 cgttctgttc tgtatctgca cccagccgca gcagcaagtg atcgtagcga aaagagagta 120  
 atcagcatag aaattcatcg tcgtacttat gggtaaagtc tacggatcac ttgcacctgc 180  
 cggttaaggtt ataggccaaa ccccctaagt ggccaagccg gataagaag 229

<210> 36186  
 <211> 92  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888754H1

<400> 36186

aggcgaagaa agaactagaa cagcaagaat attttgatcc aaagttggct gatgatgaga 60  
 gagcaaaagg tactttattc ttcaagcagc ag 92

<210> 36187  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888755H1

<400> 36187

agattatcgt gaatgcgtat aaaaggaaaa taaagaaatt agcgtcaaaa tgttggtgt 60  
 gttcagcagc tccttagtgt cgccgccgga cgagctcgtg gctctcggca gccgtactcc 120  
 gtcgccaag atgacggcgg cggtgctgcg gaagcggttc gaggagaaga acccctccgc 180  
 cgtgtcggtc taggtcggag agcttgtcca gtcgtttat acccacc 227

<210> 36188  
 <211> 97  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888756H1

<400> 36188

acttttcaac tctcttttac ctttttcgta gttttcacta acactcccct attttagctc 60  
 tcacaaactt cgtttagtga caatatgaag aaagttg 97

<210> 36189  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888757H1

<400> 36189

gtttgttgtt gtaactcgtt cttcttcttt tgttggtctg tgtttgtgtt tgttttttct 60  
 ctcacctgaa aatctcttgc tgcggtggta actgtggttg cgtagctcc tgcaagtgcg 120  
 gcaactgctg cggaggctgc aatttgtagc cagacttggtg ctacactgag tcatccacca 180  
 ccgagacctt ggatcatgga ttggccctgt taatgtcaat ttg 223

<210> 36190  
 <211> 227  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700888758H1

<400> 36190

tgcaacagaa caaccagcag ctgaggttcc tgcaacagaa caaccagccg ctgaggctcc 60  
 tgccccagaa tcaaccaccg aagcaccaaa ggaagaaacc accgcggcac caacagaaac 120  
 agtagaacia acaactacag aagctgcccc agaggagcct caagaagttc cagtctagac 180  
 cgaggaggtg ctggcaaagg agacacagga agagacgcca gcagaag 227

<210> 36191

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700888759H1

<400> 36191

ctggaggaga agtctttgga ggtcaaagaa cattgattcc tcttcatgct atgtttgaaa 60  
 atgttattga tagatcttct ctaagcactc cttgggaaat gattattgct ctatgggaaa 120  
 gaggtgaatc ttgttgatac tcttggttcg ccacctttcg tttaagaagt aacaaagcgt 180  
 gcagcttgga aatttgcagg tccacttcct cgcccacttc ctccacctcc 230

<210> 36192

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700888760H1

<400> 36192

agtccggcga gcagaagtgg gtgcacgagg gtctcatcat ggagtctctc ccgaacgagg 60  
 aacatgccgt tcgggttaga ctccatgatg agacctcc 99

<210> 36193

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700888761H1

<400> 36193

tagatcgcgga gcagccgccc tttttttttt ctcttgacag gggagcttat ataattgtta 60  
ctacgtgtgg ctggcttgga catagtagtt gtttagcatg 99

<210> 36194  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888762H1

<400> 36194

gatagctaga agcaataaga tgaaaatgaa agtgcttggt ttgtttgttg ctacagtttt 60  
ggtagcatat gaatgctatg gctcagacta ccagaagttc cctctcctaa tgaaaactgg 120  
gtttggtggt caatacagca atgaggttgc atgtgccagt tgggtggcttg gcgtggaatc 180  
aaacaacgta gtcatatggc aaactgttcc tgcagcttgc gtagagtaca tag 233

<210> 36195  
<211> 102  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888763H1

<400> 36195

cgagaaagtc gtactgattc ctcttcatct ttcgttaaag cgagtacttt tcgttcttga 60  
tctgttggtt acgatgtctt attcaaggag atctaggat tc 102

<210> 36196  
<211> 223  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888764H1

<400> 36196

ctctctctct caaccacaa gaatccctcc ctttctggct ttctctctct aaaactatca 60  
tgtctctcac cgcggctccc ctcttccca tatccaacc ccaaaccacc gccgcagacc 120  
ggcgccatcg accctccggc gaacaacccc gccttcgcg ccttcatcaa caacctctcc 180  
gccctctccc gacacggcct cgaccagcgc ccgccgtggt cgg 223

<210> 36197  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888766H1

<400> 36197

cgagtcgtgg aaagtcattgt gagagagaaa aaaatattga gaatttgaga tgagatagat 60  
 tcgctgaaaa ttttcttttg gctttttccc tttttgcccc tctcgttggg taatgaatct 120  
 ggacgggggtt agttagctag ctaggcttat ttatgtaaatt tctggaaggg aaaatgggta 180  
 tgaaactagt atcttttttt tttttctctt tatgtaattt tctttacata gt 232

<210> 36198  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888767H1

<400> 36198

cttcacaccc accataataa taatatcttc attgttcttt tcatctttgt taccattaaa 60  
 aacacacaca cacctccaac aacactctca aactaacaac aacaacaaaa gaccatgtcg 120  
 gtgaaggcat gcgagcacca caagggcaag aagaggaaga tcttccggca agtggtcccg 180  
 tgcttagtgg tgctcctttc atcggtgctg tcacaattcc cctgatatgg g 231

<210> 36199  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888769H1

<400> 36199

agccttccat ggcttccgct tgtgcttcct ctgcaattac agctgttgcc atctctacgc 60  
 cgagttccgg gcttaagaat ggatcaggag gttgttttct tattggaagg aaattgaggg 120  
 tgaaacagga gagagcagca atttgaggac gatcgatgtg cactacagtg tgcgcagttg 180  
 ctgagcctgt cagacctcta tgtttcccag gcagccctcc tctcca 227

<210> 36200  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888770H1

<400> 36200

actcgagcga ttcggctcag gagaagaatg atgcaaatgg agaggctgca agcgtaaaag 60  
 ggatggatga ttacaaagag gtgttgatgt cccaaatgaa tcttgagaag aaatttggac 120  
 aattctctat ttttgtgact tctacctga tggaagtgg tgggtgtgct ccttcttcaa 180  
 gtccagttgc cctgcttaaa gaagccattc atgtgattag ctgtg 225

<210> 36201  
 <211> 104  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888733H1

<400> 36201

cattgctcag gtcgttattg acgagagtag gccctttggc catgactaag ttacctggaa 60  
 gcagatcttc ctacttgta gttgtcgtct gttgttgccg tgtg 104

<210> 36202  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888771H1

<400> 36202

actcgagccg aatcggtcgc agctagaatc actcagcact ggataagaaa ttaatgggta 60  
 attcacaggg agttatgaac ttttgggtacc tcaagcttac cgttgaggat cagacctttc 120  
 tgctttctgt ggtgacagtt catcaaagat gataacaatt tcattacacg aaagggtttc 180  
 aaatccgttt ccttggttta tttcactgct gatattatgc aatgg 225

<210> 36203  
 <211> 226

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700888772H1

<400> 36203

actcgagcgc tcgagccgct cgagccgatc aggctctgca gagacagctc ttacagaagc 60  
 atgcaagaga gtttgagagc acgcggatgg gagaggaatg gggtgacagc ctacaatcaa 120  
 aagatcaaatt cgaagccaag tctcttagca agtatgaatc tacaacgaga agataaagag 180  
 cgctggctta tgcattcact catcagcaaa attggcagaa ctcac 226

<210> 36204  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888773H1

<400> 36204

gtgaatctca aaaaggagta caagggcatt ttctggcaag aagagatcat tccattcttc 60  
 caaagtgccca cctttccaaa agaatgcact tctgtccaaa aattctacat tgaactctcc 120  
 aagcactgtc aaagagaagc ttggtgctgt tgatccctat ttcaccaagc ttgcatatgc 180  
 catggtgact ctgattgaag ctctggatga gcttacttgc accacatc 228

<210> 36205  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888774H1

<400> 36205

gtgtaatat cttaaactgt taccacaagc tgcactctgg ctctcagat ttctgcagc 60  
 tggggaaatg attctgagag catatgctgc tgcacaaggg gtataaccgg atcaaattat 120  
 tttcccagat gttgccacga attatgaaca catcagatga agttcttttag cataacttatt 180  
 ccttgaccgc cctttatgca ttgcacatac aacatgaaca gatat 225

<210> 36206  
 <211> 178

<212> DNA  
<213> Glycine max

<223> Clone ID: 700888695H1

<400> 36206

tatttctgga ccaggtcctg gatatgcgag acatcatatg gatgggtatag ctccaacaag 60  
tcctgttcgt gaatatgctg agatgtcctc cgggagattg aggctgcact ctggcagtct 120  
tgttggtgaag tcaggtatag atgattttga tgacagagtt gcacgtcgtt ttggtgaa 178

<210> 36207  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888701H1

<400> 36207

caccttgga actccgcctt ctacaactct ctcttctgct gcattctcca ttcacagaac 60  
aagatccacc accttctcct tctcctcttg tccccacca actcttctgct tcaatctcca 120  
cagctccctc tctcttactt ccgcttccgc ttcctctccc actaccgctt cgaccactga 180  
gctggagccc tgtcctcctt cagcccgatc gttcccgacc tctcgttttc gctcttttcg 240  
aaaa 244

<210> 36208  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888702H1

<400> 36208

agccaaatgg tgaaagggtt ttctcgtttg gcagaatccc tagatgatct tgctcttgat 60  
attccatcag ctaaggcatt gtcttagtca tttgtcccca aggcaatata tgatcgatgg 120  
cttgatgctt cacttaccaa acctgcaact gaagttgggg aaatccaaga tcatgagaag 180  
gtgaggtctt acaaaaagga atctgtaact ataattcatg agtattttcc ttctgatgac 240  
att 243

<210> 36209  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888703H1

<400> 36209

cggaggtgag cagtgtcgac gaaatctacg acggagtggt ggatctgctc cggagcccga 60  
 tctcgacccc gcgcgcgctc acgatcgga tcaaggcctt gttegcgctt tgtctgggtga 120  
 agaatacgcg gcagatcgcg gtggacgccg gcaccccggc gggtctagtc caccggctcg 180  
 cggacttcga gaagtgcgac gcggagaggg cgctggccac ggtggagctc ctctgccgga 240

<210> 36210  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888704H1

<400> 36210

ctactgcaca cactctctct ctctctctca ttgtatggcc gccaatcga gtagccgagg 60  
 gatcaccgcc ttggggaagc gtttcgcaa ccagatctgg acttccaacc cccccctcag 120  
 ctctctcac ttctaggagg ggagcaatag catctgcata cagtagctgc ggcggtcag 180  
 tgtctgacaa gaaccctgtt gatcagatcc actctggggc ggtcctcgac gatgtgat 238

<210> 36211  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888705H1

<400> 36211

agatcattca aactacaaag gcacatatct atagcatcct agctatatct ggggtgaagaa 60  
 gcaaaatgaa aatgaggctt ctggtaattg cactaacaat attgatgctt ccaagttctt 120  
 ctatggctat ccatgtgaag actttgggtg ccaacaacat gctacaagag aaggagggag 180  
 atcacagtaa tggtaataat aatgagcatt caatccctct gacacgctat agtga 235

<210> 36212  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888706H1

<400> 36212

aaagattcca gctcgtcttt gctgatgtgt tcaagcatga tataactgaa ggaagaccta 60  
 aacttgcaac atggattgag taagtgaaca agattagtgc ttatacacag tcaagagctg 120  
 atccaaagga aatcgttgat cttttcaaga tacgtttttt ggctcaacag tgaaaatttg 180  
 gttgcagtgg gtatcctcta agttgtagat tgttgtcaat aaattgttgt gtgtt 235

<210> 36213  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888707H1

<400> 36213

gagattagtt ttgagaagaa accagcaatc ggcgattagg agtgagagag atatggaggg 60  
 aattgaagga aatagcagta gatacagtct gaaaccctcg cgaatttgta acgaagatgt 120  
 tctgatctgc gtcgacgtcg atcctcagtg cctcgtcgaa atgtcaggtg ccaccggtct 180  
 caatggcaga cccctcaccg gtttggactc catcaaacaa gccatcggtc tc 232

<210> 36214  
 <211> 102  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888708H1

<400> 36214

ctccttacta ctatcagagt gctcctccac catctccac tgctcatcct ccctattact 60  
 acaaatcccc tccaccacca tcgtgatagc ctccacctcc tt 102

<210> 36215  
 <211> 233  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700888709H1

<400> 36215

gtttgaaaat gagttgaagt ggtattggac tgagccacaa caaggaaatt tcaattacaa 60  
agatgctgat aatctgctat gcttgtgtca gaagcacaag atacaaactc gcggtcattg 120  
tatcttctgg gtagtggatg aaactgttct gcagtggatc aagttactga acaaaaacga 180  
tttgatgacg gctgtccaaa accgcctata cggcctgctg attcgctaca agg 233

<210> 36216

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700888710H1

<400> 36216

tggcaaccag aattttcctc caccaaaggg gaagcccatt gaagaatcag ctgcttcttt 60  
tttggttcat caagcaaaag ttaaccctgg caaagtcact gtggtcgcat tgggcccgtc 120  
tacaaatatt gccttggcta tacagctggt tccggaattt gctaataaca ttgggcagat 180  
cctgattctt ggtggtgctt ttgcagtaaa tggcaatgtg cttccagctg ct 232

<210> 36217

<211> 103

<212> DNA

<213> Glycine max

<223> Clone ID: 700888711H1

<400> 36217

ccaaactcca tttctcactc gccgtcgtct cttccgtcta gggtttctcc tcttcacaaa 60  
aatggttgcc gcaaaaaaaaa ttaagaagac ccatgagagc atc 103

<210> 36218

<211> 232

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888712H1

<400> 36218  
 attgtttgtt gttgtaactc gttcttcttc ttttgttggt ctgtgtttgt gtttgtattt 60  
 tctctcacct gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaacn tcctgcaagt 120  
 gcggcaacgg cttcggaggc tgcaagatgt acccagactt gagcttcact gagtcaacca 180  
 tcaccgagac cttggccatg ggagtggccc tgtaaggct ccatttgagg gt 232

<210> 36219  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888713H1

<400> 36219  
 cacaaatgat gagattgcag ctgatcttaa agaacacgtg attaagcctg tgattcctga 60  
 gaagtacctt gatgagaaga ccattttcca tttgaaccct tctggcaggt ttttcattgg 120  
 agggccgcat ggcgatgctg gtctcaccgg ccttaagatc atcatcgta cctatggagg 180  
 atcgggtgca catggtgtgt gtgccttctc ttggaaggat cctaccaagg ttgata 236

<210> 36220  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888715H1

<400> 36220  
 agccagcttg gagctaggct caccaagctt tccaaagacc aagctgatta catcagtgtg 60  
 cctgttgagg gtccatacaa gccttctcac tacaggtaact gatccatcct attgtgggag 120  
 aataaaccta aactattcta tcaattcccg aggcttcatt gttacacttt cctttttgga 180  
 ttttttccat tacaatttac atttgtggta gcataggagc ttctttttcc tttttttagt 240

<210> 36221  
 <211> 104  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888717H1

<400> 36221

ccctgagcca tgggtaccatt tccctcataa aattctctct tcctttttgg gatctcctat 60  
tccaagcttc aatcttttct ctcttctcac agccttcttc actc 104

<210> 36222

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700888718H1

<400> 36222

aaaagacact gttgtatggc tcaacaacag tgcctctccc acccattctc tcttgagca 60  
caccgatgtt gctgtcctct ctgacaatga agacatttat gacat 105

<210> 36223

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700888719H1

<400> 36223

aaaagttgca actacttcct cagaaaaaaa gtttctaagt taaggaaatc cagagagaca 60  
aaaatggccg gtgacggtgc ctttacatgc atagacatcc tccttgccat ctttctccct 120  
cctcttgag tctctctcaa atatggctgc cacgtggagt tctggattcg tttggtgctg 180  
accttctttg gttatatacc tggaattatc tctgctgtct atgctatcac caagtgat 238

<210> 36224

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888720H1

<400> 36224

agaaaagtta ggggtcacaa cttttccttt tccttttgct tgcgaatctg aatcaaataa 60  
tcaatcatcc attcattatc caacatgtcg tcggcgaaga aaatcacgct gaagagtctg 120  
gacggcgagg ctctcgaggt ggaggaggcg gtggcgctgg agtcggagac gataaagcac 180

atgatcgagg acgactgcgc cgacagcggg atccctctgc cgaacgtgac gagca 235

<210> 36225  
 <211> 234  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888721H1  
 <400> 36225

tgtgaaacta acaacaacac aaggccatca tcatggcagc tgcttcccca atggcaagcc 60  
 aactcaagtc caccttcaact aggactcttg tagctcccaa gggcctcttc gcctcttcac 120  
 cacttcacct cttgccttct agaaggcaat ctagcttcac tgtttaggcc atccaatcac 180  
 tgaaggtaca ccaccttctc caatttactt tctaattagt atctactctc tttt 234

<210> 36226  
 <211> 101  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888722H1  
 <400> 36226

gaccatgcct aagagagtgg aaggagtgtg agccatgaag cagcactttg tgcttgtaga 60  
 tggcataggt ggaggaattt ggtgctggta caaatccgg t 101

<210> 36227  
 <211> 236  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888723H1  
 <400> 36227

ctgaaagtga aggtgaagaa atgcttcttc aaacgaggca atttggcaca gcgtgtccat 60  
 gggtcagact cacaccccca agcaaaagaa atagctcagt ctcatcaga aggagcaatt 120  
 gtggcccaac atgttcggtg tccaattgg aattgaagag tgtgagtgag agcaaaatca 180  
 agccgtatcc atcagaggca tcgaggacca taatggagtt ggctaagggtg ggcacg 236

<210> 36228

<211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888724H1

<400> 36228

ttcctccttt agccgcaacc catattctaa gcttcctttc tctactggt ctgtgtcggg 60  
 ccagcaaaac tgttgctgt atctttgcct ctgaaggaaa gttgtgccta ttattatggc 120  
 ttattgctct agtggcgtag atccctcaa cagttatgct tgcactgcct tttgtcttcg 180  
 agactaaca acttgattgt atgtcttctt gttgctaatac ttttgattt 229

<210> 36229  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888725H1

<400> 36229

ccaaccacca aattaatcca tatatagaga gagttaggaa aacaatggaa gccatttctc 60  
 ctaagcatct tatgacattc cttgtaataa ttatagcttc tagtttgatc gcacactgtg 120  
 gctgtgccaa gtgagggggg gaaagaccat acaagaagc caactcactg ttcataagat 180  
 catcttgtag ctccacaaca tatccaagtc tctgctacag ctcccttagtg aag 233

<210> 36230  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888726H1

<400> 36230

tggcagtgac tcttacatca acactctttc tggctttgct atttgctgct tcagcttttg 60  
 ctgctcttca gcctagatta cctgaagctt acctccaaaa tgggaacgtt gaggagcagc 120  
 caaacctat atacctgaag aaaacaaagc tctttggtaa attcgctttg cctaaatggg 180  
 agatcaatgg tctgggtgag tatgtttctg ggggtcccca cctggaggc 229

<210> 36231

<211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888727H1

<400> 36231

gatgaaactt atgagactga ggatgttccc gctctatcag atgcattgca actcatcccc 60  
 ctccctgttt actgggtttt cgcttcctc gtcgcttgca acaccaatat ccagggtgtt 120  
 tcgaactatg tattatcgga cttccgttgc aaactttcta ccgttctgga tgagttcatt 180  
 catcacctgg agatatgcga gcaacataaa gctagtatat tagactaccg g 231

<210> 36232  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888728H1

<400> 36232

ggagggtctc tttctgagat tgtagggct tctctcaca tcaatgccat caactttgac 60  
 ttgcctcatg tggttgccac tgctcctaag tatgatggaa tcacccatgt tggagggtgac 120  
 atgttcgtgt ccattccaga tgctgatgtt atttacatga agtgcattct gcatgactgg 180  
 agcgacgagc actgtgtcaa gatcttgtag aactgcagga atggaatacc ag 232

<210> 36233  
 <211> 101  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888730H1

<400> 36233

cttgtggcag ccaagcgttc atagcgacgt tgctttttga tccttcgatg tcggctcttc 60  
 ctatcattgt gaagcagaac tcaccaagtg ttggattgtt c 101

<210> 36234  
 <211> 91  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888731H1

<400> 36234

acaaaataaa tacatgtttt ttttattcaa catagattcc atgaatagcc agtacatgcc 60

agcacgcttg tgtttctggc aggatttata t 91

<210> 36235

<211> 174

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888693H1

<400> 36235

gcaaaacata cagcatagat tctctcttan ctgcattgct acgatcacta gatgaacaaa 60

ggtcacacaaa ggcaaaattg gctgttattg agtttcgcat aagttcggtt aataagcatg 120

caatagatcc agaaggtgct gctaatttg gcctcctaaa attatggctt gcc 174

<210> 36236

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888732H1

<400> 36236

aggggggttg ccaatcagat aactactata gaagaagcaa aacgattcta cccactgttt 60

ggacttgggg ccaatgtagc cctctttttc tctggccgga cagtgaata cttctcta 120

ctgaggcaga atttaggtct tggagttgat gggtctgcca tctctctgaa atta 180

agcatagttg tgggtatggg gtctgcaatt tgttttctgt actgggtgggt gaacaattat 240

g 241

<210> 36237

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700888652H1

<400> 36237

atgcaacatc tagcatttcc aagggaattc ttttaagatag atttaggctg gttgcatttc 60  
 attaagcatg ttatccaatt gtgtaaagaa acaaaaatgg acattttttt cactggattt 120  
 ggaaatgttc ctccgacaca ctctcaatag cacaaaggta ttttcagtta ttgtagc 177

<210> 36238  
 <211> 181  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888653H1  
 <400> 36238

gacacaacca ttctgtggac gccatgagca aaacctgcat gttttctccc ttggatgga 60  
 aaggaacagt tatgtttttc ttagtaggat ttggctctct ctctcttttt accttttgat 120  
 tgggtactatg gttggtgcct tggtgggttg tgcaactaac tggcaagggt tgttcattgt 180  
 t 181

<210> 36239  
 <211> 178  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888655H1  
 <400> 36239

ctccacttta ctcatcttca atcagttgca tattctttgc tattccaatg gccactgttg 60  
 aggttggtgc agccaagggt gccctcccag aggacacaaa cgaggcatca ttgaagggtg 120  
 acgaggagaa gaacacagaa gaagttgttg agactccaac accagaaact gtgggtcac 178

<210> 36240  
 <211> 177  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888656H1  
 <400> 36240

gttagtagtc ctgtggcaat aatcatggga gttggaatgt ggtggctccc agcttctcct 60  
 agatgggttac tattacgtgc tatacaggga aaaggggctg ttcagaattc aaaagacata 120





<210> 36244  
<211> 182  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888663H1

<400> 36244

ttgctatata tccacgttat aagattgaaa acgcttgcac tcaaatatca agctagttcc 60  
ttctggagac ttgcacaaag gtgctctcct gactggcatg atcattaatt ggctctatag 120  
ggctctgtagt atctggaccc cttagtgcac tcattgctta tgttctaagt gctgtcctca 180  
gt 182

<210> 36245  
<211> 121  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888664H1

<400> 36245

gtccaatcct gcagctgact agctggaaat ttaattgaga tacctcacag actacttaat 60  
ggacacaatt tggcttcaaa ggttctctca acatggctga gcgatgaagg accaagatat 120  
t 121

<210> 36246  
<211> 180  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888665H1

<400> 36246

gaccttgaaa gttgcttttt caagtgtcag tagcgggacg ttctgtcaat cggggaaggt 60  
ttttggtgac aacacctgga gatatcagaa gtgagaatgc tgacatgagt aacgataaat 120  
cctgtgaaaa acacgatcgc ctgccagtgg aaggctttct gcgttcagtc aatctacgca 180

<210> 36247  
<211> 177  
<212> DNA  
<213> Glycine max

<223> . Clone ID: 700888667H1

<400> 36247

caatttattt ttattctcct ctctcccttt tgttttggct atgtgtgggc aggtggccag 60  
gggggtcaagt caatgttcta attcttactg acttctcttc atgtcatctt ggtttttgggt 120  
ttccttgatg tcaatcagtg ctgatgctca ataacagcaa caacttcaac tgcaaca 177

<210> 36248

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 700888668H1

<400> 36248

tggcaaaggc	cagaggacat	gacaaccgac	cgtcatgcct	acaagatcga	tccaagcaat	60
cccgggtcgg	atcttgccgg	agaaaccgcc	gccgctatgg	ccgctgcctc	cattgttttc	120
cgacgctctg	accctgccta	tgccgccgaa	ctctccgcc	atgcctacca	gctatttga	179

<210> 36249

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 700888669H1

<400> 36249

ggcgagagca agcactggtc ttcaataccc agacagggtc tacgccgcgg cctctgacgt 60  
tggattcgac ggatccacca aatctctcac ttccaaggtc tccaactcca ccgctcttct 120  
tctctacagt ctctatcagc acgctagtat aggaccttgt aatgtcccag aaccagtt 179

<210> 36250

<211> 185

<212> DNA

<213> Glycine max

<223> Clone ID: 700888670H1

<400> 36250

gcacgtgctg ggtaggccac ttgcgtggtc cttccggaag aacatgtcgc atgtgcaaaa 60

gcacgttgaa gaggacagcg tgacgaacag cagccctgat gctagggttg tcaaagttag 120  
 catggaagta gcaccttacc ttcgcaacat ggacttgaag atgtacaaga gttaccgaga 180  
 gctct 185

<210> 36251  
 <211> 186  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888671H1  
 <400> 36251

cttacctttc tctcttctct ctagccgccc aaaccctaac tgcctaccct attccgcttt 60  
 ctctcatcca tcatgaaaag aggatagtcc aagaccggat ctaagacagc cgatgccaaa 120  
 cttgctgtga ataagatggg cgccgccacc aagactagga aaccgcccgg aaaggggaag 180  
 gcagcg 186

<210> 36252  
 <211> 184  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888672H1  
 <400> 36252

tgacagtga agcaaggctg aactagacag gttctgtgat gctcttattt ccattagaca 60  
 agaaattgct gagattgaca aaggtaatgc tgacattaac aacaaagtac ttaagagcgc 120  
 ccctcatcca ccatcactgc tcatggctga tgcattgaca aaaccatact ccaggaata 180  
 tgca 184

<210> 36253  
 <211> 179  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888673H1  
 <400> 36253

cttcaaggag ttaggaagac aacggtttgc gcatagttgg caaattatct caagaaacag 60

ggaaaaagtt gcatgctagt tgctggggac gtttacaggc ctgctgctat tgaccaactg 120  
gctatatatga ggaaaacagg tggatgtgcc tgtctataca gcaggtaccg atgttaaac 179

<210> 36254  
<211> 179  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888674H1

<400> 36254

aaagattcca ccagctgata ctcgctatag gacàgcggat gtcacggcat ctaaaggaaa 60  
tgagtttgag gattactttt tgaagcgtga ctgctcatat ggactatatg agaagggttt 120  
tgaaaggcct tctcccatcc aataagaaat catagcgatt gctcttactg gtagtgaca 179

<210> 36255  
<211> 177  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888675H1

<400> 36255

ttcttctca ataaaccaag aatcaaggac atgatgagtg catgccgcaa gaggagacaa 60  
tccaacagaa cattcacttc aagttctgac ttgtcaacct cttctttcct tcacatggag 120  
ctctctactc agtttcatca agttttcaag cttatcgaca ctaatgggga tgggaag 177

<210> 36256  
<211> 179  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888676H1

<400> 36256

gtccttgaag ggggtattcc atttaacaaa gcatatggaa tgacagccat tgaataccat 60  
ggaacggatc caaggtttta caaggttttc aacaaggcg atggctgatc actctaccat 120  
tacaatgaag aaaattcttg agacctacac aggctttgag ggacttaaat ccctgggtg 179

<210> 36257  
 <211> 176  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888677H1

<400> 36257

catatagcac tgattgtcac gcacaactca gcttcagttc gtgcttcatt aacatgggtg 60  
 ctgggtgacta ctccaaaata ctcaaggtga agcatgacgc cactgatgaa gaagtgaaca 120  
 aggcttataa gaaattggca atgaaatggc acccagataa gaaccttgaa gaccct 176

<210> 36258  
 <211> 177  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888678H1

<400> 36258

tactgaggag agcatcatca aatcaaccat ggctaccctc attgctccca tcaccttttc 60  
 gcctgggtata gatgcacaag ctcttaggaa agctttcgaa cgatggggga ctgatgagta 120  
 gaccgttata gcaatattgg gtcacagcaa tgatcatcag aggcaacaaa tcagaaa 177

<210> 36259  
 <211> 176  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888679H1

<400> 36259

ctactatgcc tgtctcatat catatttcat gtctgttgct cttttcttct cttcttcttc 60  
 ttctactacc cttcaatatt aatattccga gcaaaaacca ccaacaacaa catcaccacc 120  
 aataagaaga acaagattgg cgtaatgggt ctcttccttt ctaggaattt ggcttg 176

<210> 36260  
 <211> 177  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888681H1

<400> 36260  
 atagtccaaa gaatcgatgg cggcttttgca ctgtgactca agtggaggaa gccaaatgtg 60  
 tgттаагаат gttaccagtt tggctatgca ccattgtata cacagttgtg tttacacaaa 120  
 tggcttctct ttttgttgag caaggggatg tcatgaactc ctacatagga agttttc 177

<210> 36261  
 <211> 178  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888682H1

<400> 36261  
 cgaagatggc aagaatatca aattggtctc ttgtcttct catcatctct acactactcc 60  
 acatagagcc cagcctctca agcccaagca ccaagcacag cccaagcccg ttcataaaat 120  
 cctcctgcag cagaacccag taccagccc tctgctctc atccctctcc gtctacgc 178

<210> 36262  
 <211> 177  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888683H1

<400> 36262  
 aatttggtat gccatttcc ttaacctcac ttcattcatc ttttgaaaca ggtcatggc 60  
 ttccgaaatg actctctttt caaatggtgg cacatatgaa accaaaattt ctcagatgtc 120  
 caggagggtg ttatgtagaa ggacatgatc tcggaaaccg atttcaatgg aaagata 177

<210> 36263  
 <211> 176  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888684H1

<400> 36263  
 ccttatttgg tgaccaagca tttgggaaga gttgtccct ccgacgacaa ctactacgcc 60  
 gcgttgaact ccgccgtctt cagcgacggg tcgttttgc acattccgca ggacaccaag 120

tgtcctatgc agatttcgac ttacttcaga ctcaacgcgt tggagacagg gcagtt 176

<210> 36264  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888685H1

<400> 36264

tgtactctc tttgctggta tctttcagac ttcctttgga ctcttcaggc ttgggttctc 60  
 tgtggatttc ctatcccatg ctgcaatagt aggatttgta gcaggagagc cattgtgatt 120  
 gggcttcaac agttaaaggg actcttagga atcacccatt ttacgaccaa aaccgacata 180  
 gtctct 186

<210> 36265  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700888651H1

<400> 36265

tcaaaagtag tgcagttccc aaatggcaat aatctttctt tcaagctccg caattcttct 60  
 tccaagtctt gctttcttac ncacattatt taaccatgca agttccgaat cattcatcgg 120  
 cgtgaactac ggacaagtcg ctgacaacct gccgccgccg tcggcacggc naagctgctc 180

<210> 36266  
 <211> 185  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888686H1

<400> 36266

cttcttctt attttcttcc ctagtcaagg agattcatct ctgcagggtt ttttagaaca 60  
 gaaaaaatgg tgaagatttg ctgcattggt gctggatg tgggggggcca acaatggcag 120  
 tcattgctct gaagtgcccc tccattgaag tggctgttgt tgacatctcc aaatcccgga 180



ttgca

185

<210> 36267  
 <211> 186  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888687H1  
 <400> 36267

actcgcccca gcatataaca attgctctgc agctatacgt gtattctctc tagattcttc 60  
 tctaaaacgc cgctgcttttc aacctctttt tttcccctac gcttcacga ctttgtaacc 120  
 gaaagggggg aaaatataat taacaccgat ttcgcgacca attcttcttc tgcgttgaat 180  
 tgggac 186

<210> 36268  
 <211> 177  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888689H1  
 <400> 36268

atatgaaatg tcatttcatg caagtgattg cagatgctct ttactataat gcagctttga 60  
 ctctcagcac agtgcaaaag ctaggtgttg catcagaaat attccatctt tgggtccatt 120  
 tgcttcaaca agttaagacg agtggcatgc gtactaattt taaaaggga catgaaa 177

<210> 36269  
 <211> 176  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888690H1  
 <400> 36269

agatggtggt gatgtccatc agactagctt tatcaccgag ttcggtgcat tgtcaactaa 60  
 tagagaattg gtttttagca actattgccg tcaactagac agatccagtc catatattaa 120  
 caaattgcct gaggctcttg aaggaaaagc agaaaaattc tcgaaacaga gaaatc 176

<210> 36270

<211> 177  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888691H1

<400> 36270

caccctctgt gcaacacagc ttctatttca ccttccccag aaaatagcct tttctttttc 60  
cctcaccagc agtggttcctt tgctgttatt ctagcttcat taatcacaca ctacacgcg 120  
tagcgccagg tggagtaaaa cacactagcc aaacggccat gctttagagc tcaagaa 177

<210> 36271  
<211> 56  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888692H1

<400> 36271

cgaccccata atagactact gggtgtgtat gtatcagatg cagttaggcg ttactc 56

<210> 36272  
<211> 189  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888613H1

<400> 36272

ccgacgtctt ggcacccct aaattgtaaa attgtattta ctttgaacat caggtacctt 60  
gggtgctgcaa ttttggtcga agatgctgaa ttggtcgaag gagggttggc agtcgctatc 120  
taagattgat cttcacggca atgttgcttc gaaggtgatc gtgactcgcc gatttggaag 180  
cggcgttaa 189

<210> 36273  
<211> 188  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888614H1

<400> 36273

gagatcgaga aagaggggtgt ttagagacga acatatgaat tacgtaaaga agcagctgca 60  
 gcaacttttc ttgtgcaata cccgtcagat gcaaagcaa agacactcag cattataatt 120  
 actactgagt atatgttctt ttcattcttc tgtgtcctga ccatgccagt cggactcctt 180  
 caaaggga 188

<210> 36274  
 <211> 202  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888617H1  
 <400> 36274

ggaatccggc tcgagctctt caaaaggtag aagaaacgga atgaaaactc tcaaaaaact 60  
 attacagcaa tggcagaaca aaacctaacc caaacaactg gagctggaag gcatcaaaat 120  
 gttggttaaca agagccttct acacagtgat gcactttacc agtatatgct ggcgactcgt 180  
 gtctacccaa gagaacctga at 202

<210> 36275  
 <211> 195  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888618H1  
 <400> 36275

tcggctcgag taataggtga gcacacgaga tctgggtgcc ggtagcatca agcaaagtaa 60  
 gagtttagag tttgaactct gtttatccag tgcacaaagc gtagatcact gtgttagtaa 120  
 tggaatagag taaaatcaaa accgagggat gacggagttg acgccgccgg aagatcattt 180  
 ttgctgtcag tccca 195

<210> 36276  
 <211> 183  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888620H1  
 <400> 36276

gttcaagttt acataccata gtcacaattg aaccctccgg aattcctagg ggtggatcta 60  
 tgcattgacca attgtcaaca ctatataaac acccctgcag attccgaggt gtcaagttta 120  
 cataccatag tccaattga agttccaccg tagatcgctg tattattatt tgtgccgaga 180  
 act 183

<210> 36277  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700888621H1

<400> 36277

gtntctttct cccatcataa acaaccgacc ctctcctttc cctcttcacc aaccaatggc 60  
 tcccccaaag gccgagaaga agcccgcgga gaaaaagccc gcagagaagg ctccggcgga 120  
 gaagaagccc aaggccgaga agaagatatc gaaggaggga ggaagcgaga agaagaagaa 180  
 gagaac 186

<210> 36278  
 <211> 181  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888622H1

<400> 36278

ctgattccag agcaatagtt gctgttccag ctaccacaga aacattagct gtggttctctg 60  
 tgagtcagaa aaccaagcgc tctgagtttg tacagcgtcg aaccaggaga ccattctctg 120  
 tgactgaggt agaagcactt gttcacgcag ttgaggaact tggaactggg aggtggcgctg 180  
 a 181

<210> 36279  
 <211> 181  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888623H1

<400> 36279

cgaaaattct cagtttgcag agaaaatctg aatcatgtcg tggcaagcgt atgtcgacga 60  
 tcaccttctg tgtgacatcg aaggtaacca cctcactcac gcgctatcat cggccaagac 120  
 ggcagcgttt gggctcagag taccgacttc ctcagttca aacctgagga gataactgcc 180  
 a 181

<210> 36280  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888624H1

<400> 36280

cttagactat cggcaacaag atgtggatag tttgaatcaa actattctcg cacacttta 60  
 ccttcccatc cacactgcca taggagcggc ttatacaaca gacctcagta gttagacaat 120  
 gcttaagcct ggaggatggg gggcctcacc attttccttg aaggatattc ttaaaagtca 180

<210> 36281  
 <211> 184  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888625H1

<400> 36281

tgggattgaa gtatctctag tggcgattgc agctctcaga tattgtttgg gtgtattatg 60  
 tccctttcgg gagatgtttt taagttggac ctgcacaatt tccctatcta taagagaagc 120  
 aaagtatgta caatatgtga tctctatcat aagagaagca aagtagatac aatatttggt 180  
 aggg 184

<210> 36282  
 <211> 184  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888626H1

<400> 36282

ctttcaaaga gacgaagcct tcgaatctct cagaaacttt tctcttctct ttgattcttc 60

tctatcagtt aaacattaga atgagccgtt cacaggatcc acatccttcc cgatctttct 120  
 tcccttttgg aaatcctttt cggatgatat cacctaaagg ctctogcatg tctccacaac 180  
 ttct 184

<210> 36283  
 <211> 183  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888627H1

<400> 36283

ccattcttta attcttaaaa tatagtgtta aaatcatttt caagtgatcc ttaggcagaa 60  
 atcattatgt tatttatgcc acggttgaga aagatatgga tacacgggtct gcacaaattt 120  
 gacgggatcc ttttgtatgt caacatagta atagagattg gatgatttag taatagagat 180  
 tga 183

<210> 36284  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888628H1

<400> 36284

gcataaacta ctacgaggag actactccat acgaatccaa agctgacaga gagtgagaga 60  
 gagagaggag ccacacacgc aaaggaaacg gacatagcaa gaagatgaca aaagacgtct 120  
 gcgccacctc ttaatatgta tagcaaattt ccgaaacact aaagaaacat aaaagtaaaa 180  
 ag 182

<210> 36285  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888629H1

<400> 36285

cttctactgt ggctcttctc tctatgggag gttaaaccct cagagcgtga gggattggat 60

cgcttgccac gtgatgttct tcgggccaaa gtcggatgtc ggtcttcatg atgctgggtg 120  
 ggtgcatgag gaggtgcttg aggtgctgaa gcggtgcctg gaactagggg ttgtgacatt 180  
 gc 182

<210> 36286  
 <211> 183  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888630H1  
 <400> 36286

gaatctgcaa attttgcggg gtgaattttc gtttgcagag aagaaaaaga tgcctttgaa 60  
 ggtgttagat gcgacagtgt cgagctttga tggggttttt gacaagttcc gatcacaggc 120  
 tccaacaaac aaagccaatc tcctcctctg acccagctgg tgccctgatt gtgtgagagc 180  
 tga 183

<210> 36287  
 <211> 185  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888631H1  
 <400> 36287

caagtttata tgtagttcta aaataataac tttgtaaaag ttttcattct actatctgca 60  
 tatagaccac attatctctt tagtagtgga acagtgatta tagaacgaca gcattaagat 120  
 cataggctgc atgatgtctt cgttgcactg aacgggtctc taggaattat gaatattcaa 180  
 cccat 185

<210> 36288  
 <211> 183  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888632H1  
 <400> 36288

gccaagccc tatacaagca aaccctaaca cacaccatt tgattcagtt tccatggcta 60

gcctcaaggt tgcattcttg gctgcagtgc tctgcatggt tgcggtgtga tgcacatgg 120  
 cacatgcagc tatcacgtgc gggcaggtga cgattagcct gatcaattgc atcggttacc 180  
 tcc 183

<210> 36289  
 <211> 185  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888633H1

<400> 36289

attgaattta tatgatgtga aagctacaag aattgaagac cagttgaagt tttgtttgga 60  
 tcagcttcaa aaacttgcag cggctaagct tcaaagttct gtcactttgg aaaatacaca 120  
 aagaaggctg tccagtgtta gaagacaatc tcagcaggtt acggatatgg tgggtggaaat 180  
 gcaat 185

<210> 36290  
 <211> 183  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888634H1

<400> 36290

ctatagcgac catttcctta tctatattca cctccatctt aaaacagtgc ccctagaaac 60  
 ttcgatctga agatggttgg cattgcattt ggacgctttg acgattcttt cagtttaacc 120  
 tcaatcacgg cctatattgc tgagtaccat tcgaccttgc tctttgtttt tgccggtggt 180  
 ggt 183

<210> 36291  
 <211> 183  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888635H1

<400> 36291

cgcactttgg tggccacagc aacaataaca atggcagcct cactacaagc tgcagctacc 60



ttcatgcaac ccaccaaggt gggcatggcc actcgcaacc tcaaatcgac acaatgcatt 120  
tctaaggctt ttggcttgga acccgctgca gcttaactca ttgctccct taagcccgat 180  
ctc 183

<210> 36292  
<211> 180  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888636H1  
<400> 36292

gcagatcgac actttttctta gcatcccttt caccatggac gaatttccgg atctcgaatc 60  
ccaagacgga gtgcgagtgc catggaacgt gatccctggc acgagcagga cgcccaaac 120  
gccgtcgtcc ccgtctccgc cgtctacact cccatgaagc acttcacctc gatgccgctc 180

<210> 36293  
<211> 183  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888637H1  
<400> 36293

cattctcaaa ccaaagccat gaccaatatg gaatccacca cacctatact cactcctcta 60  
gtgctcctcc tcctcttctc tctagccaaa gggcttcaca acccaaagt gatgctgcct 120  
atcaacatga ccatgatggc tcaaccctcc aagtgttcca tgtgttcagc ccttgttccc 180  
cat 183

<210> 36294  
<211> 180  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888639H1  
<400> 36294

caaatggct tcagtagcga ctaagcagca agatggtag aaaccggcca agagaaaacc 60  
ggttttcacc aaagtggatc agctgaaacc gggaaccaac ggtcacactc tggttgcaaa 120

ggtgttgtcc tccaacactg tgttgcagaa gggacgaccc tcttcttcgc acaacattcg 180

<210> 36295  
<211> 183  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888640H1

<400> 36295

cagcctcagt tcagctcgga ggactatatg atgctatata cgaccatata caatatgtgc 60

actcagaagc cgccttatga ctattcccaa caacagcatc gctcgtacaa ggaatcgttt 120

gaagactaca tcacatcaac ggtattacct tcgttgagac agaagcatga tgaatttatg 180

tta 183

<210> 36296  
<211> 184  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888641H1

<400> 36296

attcgggacc acgccactct tctccctctt ccggtcgcac tctcgcgcct tcgaatctcc 60

gtttctgcgg cctccggcga caggcattca cttccactcc cctgaaccac gccttccgcc 120

tccgccgacg ccgcctcccg cattccgccg cggtattcgc cgcgctttcc gccaacggta 180

cctc 184

<210> 36297  
<211> 182  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888642H1

<400> 36297

tggttttttt atctttctgt tctctctctc tctctctgtg aaatggagcc gtttgcttag 60

agctgcttct tctgaccttt gaatcttgat ctagatatct agatacagaa ttggaaatgg 120

attcaaatgg gaccctacgt gctaacacct gggcaaggtc gtcgtccttg acctctctg 180

ca

182

<210> 36298  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888643H1

<400> 36298

ctcctcaatc cattccaagc ttcaatcttt tctctcttct gccctctgca cctccccctca 60  
 cacccttcct cattcgcagg aggtgaagat gtctaccccg gcaaggaaga gactgatgag 120  
 ggattttaaa agcttgcaac aagatcctcc tgctggcatc agtggggctc cccaagacaa 180  
 ta 182

<210> 36299  
 <211> 184  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888644H1

<400> 36299

tggatgttgc agttccccac tcataaagat agctaggtaa gagggtgcaa gggaagagaa 60  
 agagatcata gaagagatct agtttaattt tgctttgctt taacttgtga ggatttgatt 120  
 tcatggaaga acatgctcac tccattggct gttacgcac tccttcaaca cactctcaga 180  
 agtt 184

<210> 36300  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888646H1

<400> 36300

cagatgttga cattgtacat ctgcagaatc cttttgatca tctataccgt gactcagacg 60  
 tggagtccat gagtgacagt catgataaca tgacagctta tggctataat gatgtgtttg 120  
 atgaacctac aatgggttgg gctctatatg ctcatactat gaggatatgg gtttacaact 180

<210> 36301  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888647H1

<400> 36301

gtcaagctca attctgggtgt tgatcacata ggtatacctg cttgcctaga tggctatatg 60  
 aatattgcaa tggaccagac agaggaatac gtcaatggac aagtgaagaa caagtatggg 120  
 gacgctttca tccgagggaa taatgttcta tacattgaca gctcaaagag gactctagca 180  
 ga 182

<210> 36302  
 <211> 187  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888612H1

<400> 36302

ggttcagatg gcatccaagg acgaatatat gtgggaactg ggtgtgtctt caggaggcag 60  
 gcattttatg gatgtgatgc cctacttcg aagaaagcac caaggacgga catgtaactg 120  
 ttggcctaaa tgggtgctgct gtctgtgttg tcgatctacg aagacaaaga ttaaagcaaa 180  
 gtccagt 187

<210> 36303  
 <211> 181  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888648H1

<400> 36303

actctctctc tctctctgaa aattaaaact aagcgtgtgc tctgccatat cccaagtgga 60  
 acaagaagag ttgctcgcca aattagaggt gttcaagatc cgagcgaggg acaagcatgg 120  
 ccgcaagatc gttcgcatta tcgccaaact cgtcccaggt agattgatta attaattaat 180  
 t 181

<210> 36304  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888649H1

<400> 36304

caagaagcta agtgtccagt gtgcatggca caccctcaca atgcagttct cctcatatgt 60  
 tcatcccatg agaagggtg cgcaccttac atgtgcaaca ctagttctcg cactcaaat 120  
 tgtcttggtc agttctgcaa gtcatttgca ggcaccttat caaccattcc tcaagtagaa 180  
 ag 182

<210> 36305  
 <211> 179  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888650H1

<400> 36305

atagattgag aaatgggaat agagaagcac ttactgcatt aaggacaagg gctcgaacaa 60  
 caaagagcag tgttccatct ccttttgaat caataatgaa gggagttgca ggggccagct 120  
 caagaccttt ggtgcaagac gtttgcacca cctgtggcaa acatgactct tctgagcag 179

<210> 36306  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888569H1

<400> 36306

gagcaagtga atgtaaaaat gctaaataat tcgttagtat gctaagtttt gttaagccag 60  
 atctgccttg aactttggcg attggttaat ctttttctcc ctttgttaaa tgattagtat 120  
 taaaataaat aaatttttgt taaaatctta tgttgtaact agttgttagt gccatctgta 180  
 ttataacta aaatataatt acatgttcaa aattgtgata aaaaaaaaaa aaaagggcgg 240  
 ccgccgtt 248

<210> 36307  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888571H1

<400> 36307

aggcgattcg tattcggtga gctgggtccgt ttcctagacg aaatgggtga agaattgaaa 60  
 gcatgatgat tgattgatgg gaggcagcgaa ccatataatt taatttaatt tgtgtccaca 120  
 tgagaacgtc gtgacctgca ttttctatct cgcaacaccg cgataatggt ataaaatagt 180  
 ttcagatacg ttgcgttgat tgattgggtat gaagtgattg actttttttc ttcttctatt 240  
 ctcacaca 248

<210> 36308  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888572H1

<400> 36308

gttccttaca ggaatgcaga ctgggtgaact gtagaaaccc atcagctggt ttggatgtac 60  
 gcgttgagat tttggcaact gtaggcgaag atggagttac tcgttggcct gaatagagt 120  
 attgtaggtc tgtaatactc aaaagggagg agcttgtaaa ttactccagt cccgtgactt 180  
 aatgatcttt caaatgtctc tttgtgaaag attggaatgt attcatagt tagagcataa 240  
 ttttttattt t 251

<210> 36309  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888573H1

<400> 36309

caacagcaag gccttgaggg aagctatgtg ctttatgatg gatcccaatc ttggtaaaca 60

tgtttgcctat gtccagtttc cgcagaggtt tgacgagatt gataggaatg atcgatatgc 120  
 caatcgtaat acagttttct ttgatataaa cttgagaggt ttggatggca ttcaagggtcc 180  
 tgtttatgtg nggtactgga tgtgtcttca acaggacagc tttatatggt tatgaacctc 240  
 ctcttaaacc c 251

<210> 36310  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888574H1  
 <400> 36310

gaaattgttt ggtgaggttg ttgctgttac tggatgatga actaatgatg ctctgcact 60  
 gtgagaggca gacattggac ttgcaatggg catagcagga actgaggttg ccaaagaaaa 120  
 tgccgatgtc attataatgg atgataactt cagcactatt gtcaatgttg tcaaatgggg 180  
 acgtgcagta tacataaaca ttcaaaaatt tgtgcagttt caattgacag ttaatgttgt 240  
 tgctctggtt a 251

<210> 36311  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888576H1  
 <400> 36311

ataaaacctc actctcactc gcagatcttc actcacccaa aaccaacctc ctccaaggaa 60  
 gtcccctaata cagaaccaga gatggacacc aaaccaccg agatcagcag cggcaagatg 120  
 ttcgagaggtt acaacaagag attcaagcat ttcagcctta cctgggatg ctccatgaac 180  
 ttccacatct acttccctcc atctccttct ccctctcaca aattccctgt gctgtacttt 240  
 ctctctggcc t 251

<210> 36312  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888577H1

<400> 36312

ttcatgcttt cctcctatgc accagttatc tctgctgaga aggcctacca tgaacagctc 60  
tcagtggcag aaattaccaa cagtgccttt gagccatcgt ccatgatggc caagtgtgat 120  
cctcgtcacg gaaagtacat ggcgtgttgc ctgatgtacc gtggtgatgt tgtgccccaa 180  
gatgtaaacy ctgctgttgc caccatcaag accaagagga ccattcagtt tgtggattgg 240  
tgccctactg g 251

<210> 36313

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888578H1

<400> 36313

ctcgagccgc gcgcagtgt gatggacctg gagcccggaa ccatggacag cgtgcggact 60  
gcgccgtacg ggcagatatt ccggcccgc aacttcgtgt tcgggcagtc cggcgccggc 120  
aacaactggg ccaaggggca ctacacggag ggcgccgagc tcatcgactc cgtccttgac 180  
gtcgtgcgca aggaggccga gaactgcgac tgccctccagg ggttccagg ctgccactcg 240  
ctcggcggag ga 252

<210> 36314

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888579H1

<400> 36314

gaaattgagt ttccgagata accagttttc tctttgattc atcaatggca actgcgagga 60  
ccgtgaagga tgtttgcct cactgatttcg tgaaggctta tgcttccac ctcaagcgtt 120  
ccggcaagat ggagcttcct gactggaccg atattgtaaa aacagcaaaa tttaaggagt 180  
tggtctcata tgatcctgac tgggtactaca ttagggctgc ctcaatggca agaaagatct 240  
atgtgagagg 250



<210> 36315  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888581H1

<400> 36315

agagaagaga agagctgagg ctgctaggat tagagagaaa taccagacc gtatcccggt 60  
 gattgtggag aaggcagaaa gaagtgatat cccaagtatt gacaagaaga agtaccttgt 120  
 ccctgctgat ctgacagttg gacagtttgt ctatgttata cgcaaaagga ttaaattaag 180  
 tgcagaaaag gcaatcttta tctttgtgga caacgtcctt ccacctacag gagcaattat 240  
 gtcttc 246

<210> 36316  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888583H1

<400> 36316

agcagataag catgttgtga actgcattga gtctcatcct catacaatgg ttcttgccag 60  
 cagtgggtatt gagaatcaca tcaagatatg gactccaaag gcccttgaga aagctacttt 120  
 gcccaaaaat attgagcagg tatgattttg gtcttcttga gttaattatt gcaagttgga 180  
 acttaaaagc acataatgat attattacct gtggatgaat gccttttatg tgtaggaagc 240  
 ttgttat 247

<210> 36317  
 <211> 116  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888585H1

<400> 36317

aaatggccta ttccattccc aatccgtttc ctccagtctc tgggggattt gattgatgag 60  
 aattgcttat ggtgggtgta ttcccttttc caatgaaatg ctacaacatt tactgc 116

<210> 36318  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888588H1

<400> 36318

ctccagtgtc tgcgtctctt cctcctctct ctgcatcgct gcgttttccg aatcgaaagg 60  
 tgaggtagt aagtaacaat ggtggagaag gccaaaggta ggaaggagga ggttgctact 120  
 cgagagtaca ccatcaacct ccacaaacgc ttgcatggct gcacatttaa gaagaaggct 180  
 cctaaagcaa ttaaggagat aaggaagttt gtcagacag cgatggggac gaatgatgta 240  
 agagtggatg 250

<210> 36319  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888589H1

<400> 36319

gagctctgcg agatcttcat tcgccgattt taaaagatga gtaagcttca gagtgatgct 60  
 ttgcgtgaag ccatttcagg aatcatggcc gattccaagg agaagaatcg caaatttgtg 120  
 gagaccatcg aactccaaat cggggtgaaa aactacgatc cacagaagga caagcgtttc 180  
 agtggctctg tcaagctgcc ccacatccct cgccccaaga tgaaaatttg catgcttggt 240  
 gatgctca 248

<210> 36320  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888592H1

<400> 36320

cttgattctt actcgcagtt tgaggagagc atgcttgctt tcaagatgga ggagatgagg 60  
 ctgagtgatg aagaggatgg tgaggaggag ggtgaagaga acggtgttga ggaaggggat 120

caagaggata ttcgttttaa aggaagattg gtggaggagg attttgagag gaagatttta 180  
catggggtttt ggttgaatga caagaatgac atagacttga gggtggcccg gtttgattac 240  
cttatgga 248

<210> 36321  
<211> 243  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888593H1  
<400> 36321

tagcaagcta gctaggttga aaatagtttg gttttgtagt aagtgagggtg aggtgccaaa 60  
atgggtgaaga taactcttgg tactttcgat gactcttttg gtgttgccctc tcttaaggct 120  
tatttggcag agttccatgc aactctgatt ttcgtgttcg ctgggtgttg ttcagccatc 180  
gcttacaacg agcttacaaa agatgcagcc ttggatccaa cggggctggg ggcagtagct 240  
gtg 243

<210> 36322  
<211> 131  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888594H1  
<400> 36322

ctagactttg aacagtagag aaaagagaat acaaagggtga tagagattgg aactttacat 60  
acgtcaacgg aaccatgtcg agatcagttc ctggaacaca tagtctgtgc gttcgacata 120  
gatgcgggtgg g 131

<210> 36323  
<211> 252  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888596H1  
<400> 36323

gagaattaga agaataaaca taatacccca gatggcttca aaaacttggt cctcccttgc 60

ccttttcttc acactcaacc tcgttttctt ctcaattgtc tctgcatgcg gttatacacc 120  
 atgccctggg ccaaacccaa agccaaggcc caacaaacga cactaacctt aaccccagcg 180  
 caagtggctc gtgccccgtg gacgactca aactaggtgt atgcgccaat gtgctaaact 240  
 tggatgaacgc ca 252

<210> 36324  
 <211> 189  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888601H1  
 <400> 36324

gaacccccca aaaccctagg tagagagctc ttctcactc tcattcgcaa tggccgcagc 60  
 agcacgtcct ctggtcaccg tgcaggccct cgacagtgcg atggccaccg acgcctccgc 120  
 caccgtccct atccctgacg gcatgaagtc ctccatccgc ccggacatcg tcaacttcgt 180  
 aactccaa 189

<210> 36325  
 <211> 187  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888602H1  
 <400> 36325

ctccgagcta gctacagtcg cgaattccaa gccggagaag ttctgcaatt tcgccatcta 60  
 acttcccgcg gaggcaagac tcttcgacga cgggtctctac cgagtagtcg atgtgtatct 120  
 caaggcacat ccgtgggttt tggaagagga gaaagagaag atttgcggat tggtaggactg 180  
 tcagaag 187

<210> 36326  
 <211> 189  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888604H1  
 <400> 36326

cactccccctt actcgctcga cctagaactg tgtaggggtt ttacgaaacc accgaagttg 60  
 cagaaaaagg aagaaagaag aaaaaatggt ggctgacagg agcaagaagc cgaaggtctt 120  
 ccgagaaagg gcgaaaaacc tcgatgaaat cgacggagaa ctcgtcctct ctatcgaaaa 180  
 gttgcagga 189

<210> 36327  
 <211> 185  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888605H1  
 <400> 36327

gaactgcttg atcagataac caggaaaggt cgtctatcag agcatgaggc acgattctat 60  
 gcagctgaag ttatcgatgc tcttgaatac atacataatt tgggagtcac acatcgatgat 120  
 attaagccag agaacttatt acttaccgct gaaggacata ttaaaatagc cgattttggg 180  
 agtgt 185

<210> 36328  
 <211> 181  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888606H1  
 <400> 36328

ttcagttcca tgggccttgg gcacatgcgc cttgatcgga aggaaggttc ttgtctcacc 60  
 cccaaccccc aaaacaacca aatcatctac tccgttacia ttctttccaa gagaagcatc 120  
 ttacatgctc acaattcaca agctgcteta gctgccctta tcttttcctc cgcgagcctc 180  
 t 181

<210> 36329  
 <211> 183  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888607H1  
 <400> 36329

gagaaacttc ggacgtggca acaagaaaac cattgacatt agcttgagtc atccaataag 60  
 agttggcctt atcctatcgg aaatcttact cacagcagag ccatcaaata cttgtgttgt 120  
 gacgattctc tgccatccat gatccatcac ttacaaacta gtactacttg ctttcaataa 180  
 aaa 183

<210> 36330  
 <211> 183  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888608H1

<400> 36330

accgtctcgt ttcccagggtg atttcatccc tcaccgcctc gttgacgtgt gatggagcac 60  
 tgaacgttga tgtgactgag ttccaaacca acttggttcc ttagcctagg atccatttca 120  
 tgctttcctc atacgcccct gttatctctg ctgagaaagc ataccatgaa cagctttccg 180  
 ttg 183

<210> 36331  
 <211> 188  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888609H1

<400> 36331

gtcaaataatg aattttaaac caacacgcat gtccctaacc taggggtaat gcttgtggcg 60  
 tgggggggaa acaatggctc aacactcact ggtggtgtta ttgctaactc gagaggggtat 120  
 ttcatgggca acaaaggaca agattcaaca agccaattac tttgggtcgc tgacccaggc 180  
 atcagcta 188

<210> 36332  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888610H1

<400> 36332

aattatttca aggactagaa aaaggacttt gctcctaatt atcctgcata ttacccatct 60  
 ggtgtagatg ttttcttgta tccacggaaa gttgaccata tagctcgttt gtggaacttc 120  
 ctgttatgag ttcctccgcg aaatttcctc ccatactagt tgtaaacggt caggttccac 180  
 tctatc 186

<210> 36333  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888567H1  
 <400> 36333

aagatagtga caggtgaact gatttcgtta tcagaacaag aattggtgga ttgtgataca 60  
 ggatataacg aaggatgcaa tggaggactt atggactatg catttgagtt cattatcaac 120  
 aatggcggca ttgattctga agaggattac ccttaccgtg gtgttgatgg tagatgtgac 180  
 acatatagga aaaatgctaa gggtgtttct attgatgact acgaagatgt tcctgcctat 240  
 gatgagtta 249

<210> 36334  
 <211> 194  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888611H1  
 <400> 36334

cggctcgagt acccatttgt gagccaaggt tgacgatttt ctgccccctc ctagattatg 60  
 ccttcggaag aagatttctc ggatgttgta tcatgttctt aaaacatgct tactgcaact 120  
 caaccagggg tcctctcctt ttactagaa aagatttggt ttctttttat tgaaacaaaa 180  
 tagagtaaag taga 194

<210> 36335  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888527H1

<400> 36335

atcactctca actttactcc ttttcaatca gttgcatatt ctttgctatt ccaatggcca 60  
 ctgttgaggt tgtgtcagcc aagggtgccc tcccagagga cacaaaagag gcatcattga 120  
 aggttgacga ggagaagaac acagaagaag ttgttgagac tccaacacca gaaactgtgg 180  
 tcactgagca aaccatggcg gaaagtactg aggccccacg acctgcagct tcagaagaca 240  
 agccctcggt tgaagtt 257

<210> 36336

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700888528H1

<400> 36336

gcactgcaac ttagccactt gaacccccctt cgtaagcctc ttcacatctt cacttcttca 60  
 cttcttcttc cgcactaata cgaaaccaga gggaattcac aaaagagggtt accatgtcgg 120  
 acgatgagag agaggagaag gagttggatc tcacttctcc ggaagttgtc accaagtaca 180  
 agagcgccgc ggagattgtt aacagggctt tgcagttagt tatttcagaa tgtaaaccga 240  
 aggcaaagat tgttg 255

<210> 36337

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700888529H1

<400> 36337

aattgggact tgatcccaga aagggtcaatg tcaatgggtg tgccattgct cttggacatc 60  
 ctttgggtgt tacagggtgca cgctgtgttg caactttgtt gaatgagatg aaacgtcgtg 120  
 gcaaggattg tcgctatggt gtaatctcaa tgtgcatagg gtcaggtatg ggagctgctg 180  
 ctgtatttga aaggggagac ttttgaagat ttgtgcaagt ttagaagagt tcatacaaat 240  
 aacgatcttt tgtca 255

<210> 36338



<211> 97  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888531H1

<400> 36338

caatcagaaa acaaaggcaa caagttcaac atattttgtg cacatgcttt tgaaagcagt 60

gaaattgttg taagtataa tgttctggcc ttgtggc 97

<210> 36339  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888532H1

<400> 36339

ggttccttag ggagctggat ctgcaagaaa atgaagttga ggatcacaaa ggtcaatggc 60

taagttgctt tctgatgac tgcacatcag ttgtttctct taattttggt tgccttaaag 120

gagagggttag tttgggagca ctagagagat ttgtggccag atctaagaag cttaagagtt 180

taaagctgca tcgttcggtg cccgttgatg cactgcaaag gataatgatg cgagcacctc 240

aactatcgga tttggg 256

<210> 36340  
 <211> 83  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888533H1

<400> 36340

gaacaacatc aactcacagc tcataacagc caagagtggc ggcagaatca tctggtgcaa 60

ggctggttat gccgccactc ttg 83

<210> 36341  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888534H1

<400> 36341  
 ttcgatttcc tattgcactc tctcatctca catctcatcc tagctaacat ccccttttct 60  
 tcttctcact tctctccaag ttttttttcc acatttctct gtctgtcttt gatctgcaca 120  
 cacaacatcc ctctaaaaca ttgagggata aaataaaaaa catgaagaaa tttgtactca 180  
 ggtagattt gccagatgac aaggcaaagc agaaggccct gaaaacagtt tcaacacttt 240  
 cagggattga tgcc 254

<210> 36342  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888536H1

<400> 36342  
 agccctcatt gaagctgtgg aaaggtctga cagaattcat gttatcgatt tcgatattgg 60  
 gtttggagtg cagtggatcat cttttatgca agagattgcc ttgagaagta gtggtgcacc 120  
 ttcactcaaa gtcactgcca ttgtgtcacc ctccacttgt gatgaggttg agtcaattt 180  
 cactagagag aatttgattc aatacgcgaa agacatcaat gtgtcatttg aattcaatgt 240  
 tttgagcatt gaat 254

<210> 36343  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888540H1

<400> 36343  
 ctttgggtgg cttatacaca tatgggtgga gcaaataatgg ccaattagga catggaaatt 60  
 ttgaggattc tcttgtgcct caaaagcttc aagccttgag tgataagtta atcagtcagg 120  
 tatcggttgg ttggaggcat agtatggcac tgacgtctac tggactacta tatggatggg 180  
 gttggaataa gtttggacag gttggagttg gtgacaatgt tgatcgttgc tctcctgtgc 240  
 aagtgaagtt cccc 254

<210> 36344

<211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888541H1

<400> 36344

tagagaaaga aaaaagtcct tgtgagtctt tgattctagc atccttcctt tgtgcaagtt 60  
 taaagaatgg agaaccaaca agaaatgatg aaagtagaaa aggtatgtga aatctatgaa 120  
 aaaatctcca aactagaaga cctcaaccct tcaaaccatg tcaacaacct cttcacccaa 180  
 cttgtcaciaa tttgcaccac cccatgccaa atagatgtta ccaaactaag ccaacaagtt 240  
 agagaaacca tagcca 256

<210> 36345  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888543H1

<400> 36345

aacctacctc tttttcttct ctctcaacaa cttcaccttc ttcctcctcg atcatgtctc 60  
 acttcaaggg caagtaccat gatgagctta tcgccaatgc tgcgtacatt ggcactcctg 120  
 gaaagggat tcttgctgct gatgagtcaa cagggacaat tggcaagcgt ttggccagca 180  
 tcagtgtaga gaacattgaa tccaacaggc gagctcttag ggagctgctt ttcactgctc 240  
 ctggtgttct tcaata 256

<210> 36346  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888544H1

<400> 36346

gcctattcca aagccagttc ccgtgtataa gcctatacca aagccagttc ccatttttaa 60  
 gccaataccg aaaccagttc ccatttataa gcgaattccc atttttaagc cagtaccaat 120  
 accaattcct ttttttaagc ctataccaag gcgagtggca atgcctagac cgaagccagt 180



gttcgacaag ttacacgtcc aagttgagaa gccgagggag caagttgcag atgcggaggc 60  
 actgctggat ctacacgca ctctagtggg atctgttaag tcgttgacga atgagggcgt 120  
 cacaccttct caatttggtt catctttgct catacgtac gtccacgccc aacactcaat 180  
 tgattggcac caacttggcc ttgccgcctc cccaatcttc ctctccttcc atggtctctc 240  
 taccatgctt ggt 253

<210> 36350  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888554H1

<400> 36350

gtttccagcgt tccacagcgt tccgcgaaga aaaccagaga ccaagaaaga gtgcttacct 60  
 gaaattgaat tcaatggcga cgagaaatcg aacaatagaa tttagaaaac acagagacgc 120  
 cgtgaagagc gtgcgcgctc ctctatcctc ctcgcatct gcctccaccg gccccgtcat 180  
 cgaaatgggt accacttcgc ttcttctctc caatcgatcc tctctctatg ctcttctaag 240  
 c 241

<210> 36351  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888555H1

<400> 36351

agccgtacaa caatcttctc ccccgaagga cgtctttacc aagtggagta tgcaatggag 60  
 gccattggga atgctggaac tgcaataggg atcttgtcaa aagatggggg agttctgggt 120  
 ggtgaaaaga aggtcacatc caagctgctg caaacctcaa cctccactga gaaaatgtac 180  
 aagattgatg atcatgttgc atgtgctgtg gctggaatta tgtctgatgc caacatctta 240  
 atcaatactg ct 252

<210> 36352  
 <211> 254  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700888556H1

<400> 36352

gcttgatcaa gtgaatcagg ttataggaat tgatctgtta tctcagtctt tgttaccagc 60  
cattgttgag cttgctgagg ataggcattg gaggggccgg cttgcaatta tagaatatat 120  
acccttattg gcaagtcaat tggggggttag ttttttcgat gacaagcttg gtgctctttg 180  
catgcagtgg ttacaggata aggttcattc aattcgtgaa gcagctgcta acaacttgaa 240  
acgccttgct gaag 254

<210> 36353

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888559H1

<400> 36353

ctttgtcgag tggattccca acaatgtcaa gtcgagtgtg tgtgacattg ctcctagagg 60  
gctctccatg gcgtccacat tcattggaaa ctcgacctcg attcaggaga tgttcaggag 120  
gggtgagcgag cagttcacgg ccatgttttag gaggaaggct ttcttgcatg ggtacactgg 180  
tgaaggcatg gacgagatgg agttcacgga ggcagagagc aacatgaatg accttgtgtc 240  
tgagtaccag c 251

<210> 36354

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700888560H1

<400> 36354

tctctctccc ttccttccat cccaaccaca aggttgctga gaagacataa aaaatggtga 60  
agatttgctg cattggagct ggctatgttg gtggcccaac catggctgta attgccttga 120  
agtgtcctga gatcgaggtg gtcgtggtgg acattgctgc accgcgaatc aacgcgtgga 180  
acagcgacca cctcccgata tatgagcctg gccttgatga tgtggtgaag cagtgcaggg 240

ggaagaatc

249

<210> 36355  
<211> 234  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888561H1  
  
<400> 36355

agagaaaaac cgaaatagaa acataaaaag tagctgcaa tttcacgttc tcattctccg 60  
aattaaaacc tcattcctca atccgcaagt ttctcgtgac ccttctcatc atcatcctcc 120  
tcgtcgtcgt cgtcttcgtg ccctaatacgg ttctcacgtt gcgggtgcag atgattgac 180  
gattgattgg gctataaaac gctgccaccg accatgatca accattcata atcc 234

<210> 36356  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888562H1  
  
<400> 36356

ggaaaacaaa gtatagagtg aaagaatggg tgagaaaagc aagattttga tcataggagg 60  
caccggctac atcggcaaac atatagtgga agcaagcgca aaggctggaa atcccacttt 120  
tgctttggtg agggaatcca cactctctga cccctccaag gcaagcatca tccacaattt 180  
tgaggccttg ggcgttaatt tgggccggcg gggatctgta cgatcatgag aagttggtga 240  
aagctatcaa gca 253

<210> 36357  
<211> 254  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888563H1  
  
<400> 36357

gcgttaaaca aaacgtaacg gagggctcgac gggttttggg gcaagccaac gtgcgtgaac 60  
tcgccgccgt gctctccgcc gggaataaca agcgtccctg gctgacgtgg agccaccaac 120

ctgtccccc cccgaggctc cggtcggaaa cggggtcggg ttgtccgctg ttaagtgatt 180  
acggctgcaa cgttccggcg ccggaagttc caccggcgag ttcattcatg tcggagtggg 240  
ttgatattcg gggc 254

<210> 36358  
<211> 251  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888565H1  
  
<400> 36358

gaaaaaagaa aaaagaaaag cactaaaaaa aaaaatgaag aagggtttct cccttgctgct 60  
gctgattctt ctgatccagt acaacaacgt tgtcaacgcc tacaacaaca aaaactgtgt 120  
cacagaggat tgcctcatcg gcaacaagga tttggaatca gagggtctact ttggatccca 180  
tgtggccaga atgctctacg atgtgagcca atctgtgagt ggcaaaacag gcaataaaaa 240  
taacaaagct g 251

<210> 36359  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888566H1  
  
<400> 36359

gacgaatccc gacttccgctc acaaggctct ctgtactata caatggagca tttagatgct 60  
ggaaaagaat catcaaataag tgtcaatgaa atagaagcca ctaattccct acttatctgt 120  
ggccttccag atgatctttc tcttatgtgc ctagcaagag ttcctagaaa atatcattct 180  
gttctgaagt gtgtctcaa gagatggagg gacttaattt gcagtgaaga gtggtatcat 240  
tatcgccgaa 250

<210> 36360  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888526H1



<400> 36360

gaccaaccaa aaccaaacc agaagataac aattaaaccg ttcttcttcg attcaagttc 60  
gaagaagaag cgatgagttc gggtagcagc cacagcagtg agaaggagaa ggagaaacag 120  
agggtgagtc gcacgtcgct gatactgttg cacgcgcacc aaaacgacgc cggatcggtg 180  
cgcaagctcc tccaggagga tccctcgctc gtcaaggcca gggactacga caaccgaacg 240  
ccgctccatg tggcgtcctt 260

<210> 36361

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700888488H1

<400> 36361

gaaatcattg ggactgggga ggaaggtatg ggtgttattt ctgaagctga caagaagaag 60  
gtatccggat atgaaattgt tggctttcag gttacccctt gcagtgttaa gcgcgaccct 120  
gaagtcatga caaaactcca catgtatgac aatatctact cgacaaactg tccatctgag 180  
ctagacaagt accaaccgat taaagagcaa gagaggatat catttacata tgaagttgag 240  
tt 242

<210> 36362

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700888490H1

<400> 36362

aaccaagcta gtccgaggaa gtcctctatt cagaaccaga tatggagaca aaaccacccg 60  
agatcagcag cggcaagatg ttcggaggct acaacaagag gttcagacat ttcagcccta 120  
ccctcggtg ctccatgaac ttccacatct acttccctcc atctccttct ccctctcaca 180  
aattcccagt cttgtacttt ctctctggcc tcacatgcac ggacgagAAC ttcattttca 240  
agtc 244

<210> 36363

<211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888491H1

<400> 36363

gcaattgtta gggccagtgc tgtagcaca ctggcaaaat ttggtgctgc tgttgatgtg 60  
 ttaaagcccc gcatatttgt tctgctaagg cgatgtcttt ttgacagtga tgatgaggtc 120  
 cgtgataggg ctacacttta cctggacaca cttggagggtg atggttcagt tgttgagact 180  
 gataaagatg taaaggactt cccgtttggg ccatttgata tcccacttgt caatctggag 240

<210> 36364  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888493H1

<400> 36364

cacggcacga cttgttcacc gaccagagct gattttcgcg gcggttacca ctcatcggag 60  
 attctatcca aaatcgtttt ccgatgacga taaaaactgt taaagtcagt aacgtttcct 120  
 tgggagcaac tgaacaagac attaaggagt tcttttcatt ttctggtgat attgaatatg 180  
 ttgaactaca gagccatgat gaacgatctc aaattgcttt tattaccttc aaggattcac 240  
 a 241

<210> 36365  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888494H1

<400> 36365

gtccatcttc ttcttctctt cctcttcgca caaagcagca agcatccttg agatggaaac 60  
 ttctctcttc acctcagaat ctgtaaacga aggccatccc gacaagctgt gtgaccaggt 120  
 ttcagatgcc atcctagatg catgcttgga gcaagacca gaaagcaagg ttgcttgcca 180  
 gacctgtaca aaaactaaca tggttatggg ctttgggtgag attacaacca aggccagcgt 240

ga

242

<210> 36366  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888495H1

<400> 36366

atcgccctga atccacacag ttctactctt cgctctaaac cctctctctc tctctctctc 60  
gatctatcat ggctttgccc aatcagcaaa ccgtggatta ccctagtttc aaactcgtca 120  
tcgtcgggtga cggcgggtaca ggaaagacaa cgttcgtgaa aaggcatctt accggtgcat 180  
tcgagaaaaa atacgaaccg accattggag tggaggttca cccattggat ttcttcacaa 240  
act 243

<210> 36367  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888496H1

<400> 36367

attaaatgtt acagcagtgg tggagtgaat cacataaaaa attgagaagt taagacagaa 60  
agccgtcctt gtttcttggc tgatatttag gaacccaatt tcgtatttaa attctgttgg 120  
atgtaccgtg actcttgtgg gatgtacatt ctatggttat gtgaggcaca agctctccca 180  
acagccacaa gtcccaggaa ctctcggac acccaggact cccaggaccc ctcgtagtaa 240  
gat 243

<210> 36368  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888501H1

<400> 36368

ggagaactcg actgaagctg cctctgcgac gccgttttga ttcagcctca gacatttccg 60

ttgcaaccat ggtgcaagaa aatggcaaga ggaagaaacc aaacattctg gtgactggca 120  
 caccggggac aggaaagaca actgtgtgca ctgctctagc tgaagccacc cagctctgcc 180  
 acatcaatgt cggagaatta gtcaaagaaa agaacttgca tgatggatgg gatgatgagc 240  
 ttgattgtta ccttcttaat g 261

<210> 36369  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888503H1  
 <400> 36369

gaaggtcttg ctgaggccat tgatgatggc aagattggac caagggatga cccaaggtt 60  
 cgttccaaga tcttgtctga agagtccggt tgggacaagg atcttgccaa gaaaatctgg 120  
 tgctttggcc ctgagaccct tggaccaaac atggtggttg atatgtgcaa gggagtccag 180  
 tatttgaatg aaatcaagga ttctgtggtt gctggattcc agtgggcatc aaaagaaggt 240  
 gctttggctg aagaa 255

<210> 36370  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888504H1  
 <400> 36370

ctcgagccga ttcggctcga gtgcagctgc acgatttatg gaaacctggt ttgagcgaaa 60  
 ggggtctgta agaatggaag tggtttagatt tgaaaatgat ggagtcccc gaagaatttc 120  
 aaacataatt ccagtccttc atgataatta ccatgaatta ctggaacttg ctgcctcatt 180  
 ccgatctcct cttggtaaac ctgcaaccaa aacttcaagc attgctagac gtgtttagagg 240  
 tgtccttagg caggttga 258

<210> 36371  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888505H1

<400> 36371

tgggaatgaa gaatgtgaat cagtaccta ggtggtggaa gcattgagca atgtcaaagc 60  
 tgttcattgtt gcaacaggag attacacaac ctttgcgtg tctgatgatg gtgatgtgta 120  
 ttcatttggc tgtggagaat ctgctagtct tgggcataat gctgctggaa atgatgagca 180  
 gggcaacaga catgcaaagt tgtaagtcc agagcttgct acttcactga agcagatcaa 240  
 tgaacgggtg gtacagatta 260

<210> 36372

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700888507H1

<400> 36372

gttgattcct gagtatttgg gctttgtcaa gggatttgtt gattctgaag atctcccact 60  
 caacatttca agagaaatgt tgcaacagaa caagatcttg aaggatcatcc gtaagaactt 120  
 ggtcaagaag tgccttgagc tcttctttga aattgcagag aacaaggagg attacaacaa 180  
 gttctatgag gcttgctcta agaacttaaa gcttggtatc catgaggatt cccagaacaa 240  
 gggaaagatt gct 253

<210> 36373

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700888509H1

<400> 36373

cgttgacctt cttcattgat tactatttct ccctcagatt tcgcttcaat cttccatccc 60  
 cgttccgttc acttctactt tcaagggtgt gtattacatg aatcgttggt tgaaagatgt 120  
 ttgactgtgg ttacaagtcg caatatgtgg gtgggcaatg tgaaaaattt gtgagggttg 180  
 atgacttgga ttctagacta tcatcatctt ctgaagctgc agttaaaaca tgtggattta 240  
 gtattgataa attaagccat gg 262

<210> 36374  
 <211> 89  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888510H1

<400> 36374

cgtttttgc ccaaactgtg gtgttgatgc atcaacacca cagtttcgag caaaaacttc 60  
 agcaaatcga gattcaggag gtttcttg 89

<210> 36375  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888511H1

<400> 36375

tacacgttgg gttggaattg atgaagttga ggacgaggaa aatgaggagg cataaacatg 60  
 tcatctaaat atctgactgc ctcttcagcc aaggcaaaag ggcttttctg gttttccctt 120  
 gaaataaagg ccaagttgct acacgttgaa ttttactgaa actgtcattc ctgaagttca 180  
 ttatgtaa atgaagtgtga gaactcagtg ccgtattgaa gaaatgttca aatttatgtg 240  
 ttaaatgcta ccatagtga 259

<210> 36376  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888512H1

<400> 36376

ctgaaacgca gatcgaactc cgccgtagcc atcatcaccg atcgaacttc gcaagacaga 60  
 gatcagattc tgattccgac acagtaacag tatgagcgtc atcgacattc taacccgagt 120  
 cgattccatt tgcaagaagt acgacaaata cgacgtcgat aagcaccgcg atgctaattg 180  
 ctctggcgac gatgcctttg ccagactcta cgcctccgtc gacgccgaca tcgaggccct 240  
 acttcagaaa gcagaaagtg 260

<210> 36377  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888513H1

<400> 36377

ctaaacccta ctcattctcc atacctcaac gaagagggtta aagagacggc aacactttgc 60  
 tgtccgcctt gaccgagcag agcttcgtct tggccctcga ttttgcccta aagtactctc 120  
 agtcacaaca gacaccgtcg tcgtcgctcg cgatcatcaat ggcaccgaag cagaccaagg 180  
 ctgagaagaa gatcgcttac gatgcgaact gtgcgaccta atggaggagt acggccagat 240  
 cctcgttgtg aactccgata a 261

<210> 36378  
 <211> 152  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888514H1

<400> 36378

cggatatttg ggtaaaggag cacatgacat gtaacgaatt tggggtaaag gagcacatga 60  
 catgtaacat ttttgttttg taatttgga ttattttttc aatatcaaag taactgtata 120  
 agctataaag catgaattac attattgtct gg 152

<210> 36379  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888515H1

<400> 36379

ggtatatcta taggcatagt tactgccatt gcagctccag caagtctaac ggttgaattt 60  
 gaaggcaatg gtggccaatgc ggggtgctgcc cttatgccta acagaaatga tgctggtctg 120  
 gctgcttctg aattagccct ggctgtagag aggcattgtt tggattctgg ctcaattgat 180  
 actgttggca ctgtcgggtat cctggaactg catcctggag caatcaacag catccccagc 240

aaatctcacc tagaaattga c

261

<210> 36380

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 700888516H1

<400> 36380

tgcaaattgga tggatacaag ggatgtcctt atcgtaaatac ctactgggttc taatcaagtt 60

gaccttgact atttggaaatc tgagcaaaga cttgaaaaat ggtactcttt gaatccatgt 120

aaggtaatca tt 132

<210> 36381

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700888518H1

<400> 36381

gaccttttcta actaatctac agtccatcct gtaataatct ccgttttcaac accaaacacc 60

aagcgaaacc tgaattaagc ctcttcttct tcatcgaatc gaaacaacct cgtccgtgct 120

aaggaaactc aacgacagag actgcaacaa tgtacgtaga tcacgcgttc tcgatttcgg 180

acgaggatat catgatggga acctcgtaca ccgtcaacaa caaaccctcc atcaaggaga 240

ttgccctcgc cgtttcc 257

<210> 36382

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700888520H1

<400> 36382

gtgaaagtac gatgtaataa ctgctcacct gactactgtt gttggtgttt tgggggtatga 60

tgtatcataa tgcttgactt gactctgaga aataataaat tcagttatct gtttgttctt 120

gtagtagttc ttaaggatga aatcttcact tgctgtatct ctgggttccc tttgtaataa 180



atgtttgtat attaataaat gttttatggt atgggttat

219

<210> 36383  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888522H1

<400> 36383

atatgttgat tctatagaag gaatcacgca tgcccttcga tctagtgaat accatgatcg 60  
caatgcccag tattactgga ttcaagagga catgggtctt agaaaagttc ttatctacga 120  
atthagccgg ttgaatatgg tctacactct tctgagcaaa cgaaagcttt tgtgggttgt 180  
acaaaatggg aaagttgatg gatgggatga tgcacgattt cctacagtgc aaggaattgt 240  
gcgtagaggt ttgaaaa 257

<210> 36384  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888523H1

<400> 36384

atggttctct ctatggtgat ctcaagcgta tttgtgaaac cgaccttgggt ttaatttctc 60  
aatgttggtt gacaaagcat gtctttaaga tcacaaagca gtatttggct aatgtgtctc 120  
tgaaaatcaa tgtcaagatg ggaggtagaa acaccgttct tgttgatgct gtaagctgta 180  
gaataccatt ggtagtgac ataccaacta taatatattgg agcagatggt acccatcctg 240  
aaaatggaga agactcc 257

<210> 36385  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888524H1

<400> 36385

gaatttattt tcaaaaacct tctcttttct caattgggtt tccatctttg atttgatttc 60

attgccatgg ctccaaagga tcccaagcaa gttgctgatg ctgcttcttc tgggtggtggg 120  
 ggtggcctttt ttgcttctat tgcttcacgc ttgtccaatt tcggtagtgc catgtccaaa 180  
 tccgttaatg gtttgggtggg ctacgagggg ctggaggttg ttaatccaga tggaggaact 240  
 gaagatgctg aagaggaa 258

<210> 36386  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888525H1  
 <400> 36386

ggctcgagcc gaatcggtc gagcgactt ctttcgcttg gcgtggctcg ctctcccgcg 60  
 aaccctatct ccacgcgtc cagtctcacg cgcttcttcc acctcagcaa aaatacaata 120  
 gtcttcacag taacttcagt cgttgagaaa acacaagact ttcattgtag aaccgtactc 180  
 ctcgactcgc ccgagttcga ctgcgtcacg aagactcgga ttcagatata tcctccgagt 240  
 ccactcgttt cccccgtgac tca 263

<210> 36387  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888487H1  
 <400> 36387

gtagatgtgc ttgatgatgg ttataaatgg aggaagtatg gtcagaaagt tgtcaagaat 60  
 agccttcacc caagaagcta ctaccgctgt acccataaca actgtagggt gaagaaaaga 120  
 gttgaacgac tctctgaaga ttgtcgatg gtaataacta cctatgaagg cagacacaac 180  
 cactctectt gtgatgactc aaattcatcg gaacatgaat gtttcacctc tttttgaac 239

<210> 36388  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888455H1

<400> 36388

atcaatgatt gcaatgagta tgatgttgaa gggggtgacg atgagccaaa ctttgacgtc 60  
 gaagatcgca aacctgagaa tcttcatgca ccgaatcttg ggatggacag aatgatggga 120  
 agactgcctt ctttcccaat caaggagag gctgttaciaa atttggattt cattcggaag 180  
 aggaagatct ctggtgactt caacatgata atggatcaga aaatttacac atgcaacaa 240  
 cctcag 246

<210> 36389

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700888456H1

<400> 36389

attgacctct ctttcttttc ctttcctttt ttctccatct ctcgcaactc ttcacctcac 60  
 cgcgatcattc gcagcaacca ccgaacactg aatcgcgatt cgcagtgtat gacgagcgct 120  
 tcggagctat tccacaccag aaggcatcga ttgggacgaa atgctctcga tctagggctc 180  
 gacaccgaac tccacgccgc cgattctctc cgccaactcc gccttcgtca ctactacctc 240  
 cgccgcca 248

<210> 36390

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700888457H1

<400> 36390

ggtctgttaa atggctggaa gatataata tcattgaaga agaatgtcag gagttcttca 60  
 tgcaaaagga ctacaaaatg tttcccacca tcagtgaat tgggttaaaa ttgattggtc 120  
 taccggaga ccccaaatgg atttcccagt tcagtgtgtt atatgttctc ttgaagacgt 180  
 gagcacaata aagcctggga aggtaaaaat tagtggatat gcagcatcag gaggtggcag 240  
 aggcattg 248

<210> 36391

<211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888458H1

<400> 36391

caatggagga agaagccaag gtgggtttgt tgggtgcacg gttcagtatg tttgagatga 60  
 gagttaagat agctttggca gagaaaggaa tcaaatatga gtacatggaa caagatctca 120  
 ccaacaagag tactttgctt caagaaatga acccaattca caagaagatt ccagttctca 180  
 tacatcatgg aagacctatc tgtgagtccc tcataattgt tgagtatatt gataatgggt 240  
 gggac 245

<210> 36392  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888459H1

<400> 36392

accaaagggc cttttcttag aatggagctc ttgtggaaag atcacatgag ggtacaagta 60  
 attagattgg tttgtgctgt ccttttggtg aactgctga gctcacaggt agctgagagc 120  
 agaaaagtca aaactggttg tacttccttt aagtacgaag ctataaattg caggactcat 180  
 agtgcttcat tgactgattt tgggtggtgt ggagatggaa agacatcaaa cacaaaggca 240  
 tttcag 246

<210> 36393  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888460H1

<400> 36393

agctcattta cacacctctc caacctatca ctttcagctt tatttgaatc cctctctctc 60  
 ctttccaaat ggccagcggt gaggtcgcae atcaaacc accaagctt ccagaaaatg 120  
 aaacaacaga ggtaatcaag acccaggaaa caaccccgga accagtacca gccactgagg 180

cc

182

<210> 36394  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888462H1

<400> 36394

cacttgccaa aggaaaaggc taaagagaag aaaaggcaaa gcaagggacc aacaaaaaca 60  
cacacagaga aacatgtctt cccaagcaa gcgccgagag atggacttga tgaaactgat 120  
gatgagtgat tacaaggtgg agatgattaa tgatggaatg caagaatttt atgtgcaatt 180  
tcatggaccc aatgacagtc cttatcatgg tgggtgtgtg aaagtaagag ttgagttacc 240  
ggatgctt 248

<210> 36395  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888463H1

<400> 36395

agccatgctc cctggaaaaa ctgtctatga tgtgatcaaa caatacagag aattggaaga 60  
agatgtttgt gaaatagcag cagggaggat tccagttcct ggatataccta cctcttcttt 120  
aacattggag atggttgaca accaatgtta tgatgcatgc agaaagaagc ctgcaactct 180  
caggagtctt gatcaggaga ggaagaaagg gggttccttg acagaagagg aacatagacg 240  
ttttctt 247

<210> 36396  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888464H1

<400> 36396

ggatagatag agtgatacac atcacatttt ctcaaagtaa tttattaatt aataaataaa 60

tggcggccgc ggcggcagtg acggtgctac tcccacctag gattccgacc gccaccaacg 120  
 ttacccgctg ctctgctttg ccttctctgc ctctcgcgg caccaacact aaaaccactt 180  
 tgctcttatt ttcctcaac cacttctcag tgtcccgaaa atcttctctg cttcagacca 240  
 gagcttctt 249

<210> 36397  
 <211> 103  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888465H1  
 <400> 36397

cacttggtga gagaaataga aaatgcggag gcgtgcaacc cttttccttc gcgtcctgga 60  
 acctcctata cacatcaacg cttcgctttc ccaaacttt acg 103

<210> 36398  
 <211> 95  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888466H1  
 <400> 36398

agcgtattct ctgcgtcttt ctttcactgt cacagagcca catccatggg cttcccagcc 60  
 aacggcgcct ctgcggccca gcccctaaac ttctt 95

<210> 36399  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888467H1  
 <400> 36399

caagactttg cctaaggaga agactcttct gcctgcagat cctgctaagc ctccagccaa 60  
 ggcacagggtg gtaggttggc cacctgtgcg gtccttccgg aagaacatgt tagctgtaca 120  
 aaagagcgtc ggagaagaga acgagaagaa cagcagcagc cctaagtcaa gctttgtcaa 180  
 agttagcatg gatggagcac cttaccaccg caaagtggac ttgaagatgt acaagagtt 239

<210> 36400  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888468H1

<400> 36400

gtgatttcag tgagtgatcg gtgttcactt gatctcatca taatcgtcag cgtcaattga 60  
 agaagatgcc gatcagaaac atcgccgctg gaaggcctga agaggcgact caccgccgaca 120  
 cgttgaaggc ggctttggct gagttcatct caaccttcac ctctgtgttc gccggctcag 180  
 gctccggcat cgctacaac aagctcaccg acaacggcgc tgccaccctt gccggcct 238

<210> 36401  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888469H1

<400> 36401

tcttctctt cctcagtagt gcgattttcg attctcttct ctgcaactat gcctaaccct 60  
 aaggtcttct tcgacatgac tatcggcggt caacctgccg gccgcatcgt gatggagctc 120  
 tacgccgacg tgactccgag caccgccgag aacttccgcg cgctctgcac cggcgagaag 180  
 ggcgcggggc ggagcggcaa gcccctccac tacaaaggct cgctcttcca ccgctgatc 240  
 c 241

<210> 36402  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888470H1

<400> 36402

cagcttaaat attggttgaa ccagaggcaa caatgggttt gacggtgtca cggctattga 60  
 gattgtttta tgcaaggaaa gaaatgagga ttctgatggt gggctctgat gctgctggga 120  
 aaacaacaat actctacaaa ctgaaacttg gagaaatcgt cactacaata cccacaatag 180

gcttcaatgt ggagactggt gactacaaaa atgtcagctt caccgtctgg gatgt 235

<210> 36403  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888471H1

<400> 36403

gagccatgtc tagcaccgtt ggccagacca tcaagtgcaa agctgcgatt gcatgggagg 60  
ctgggaagcc gctggtgatt gaagaagtgg aggttgcgcc accgcaagcc ggtgaagtcc 120  
gtttgaagat cctctacacc tctctttgcc aactgatgt ttacttctgg gatgcgaagg 180  
gccagactcc attgtttcct cgcatttttg gccatgaagc ttcggggatt gtggagagcg 240  
tag 243

<210> 36404  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888472H1

<400> 36404

ctctcttctc tctctgcgtt tcaactgcaga accaaaacaa gctccggaga aaccgcaaca 60  
aaaaaagaaa aaaacacaca aacttaacct aaaactgtaa cccagtatg ccattgcttca 120  
caccacacca ttctcttctc ctctctcttc tctctatttt cttcttctct ctctccgtca 180  
ccgctgcaag aacctcttct ttccattcct tacgtattca agatggaatt gaggggtggtg 240  
gcgagg 246

<210> 36405  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888473H1

<400> 36405

tgagggttgc agctagaagg ctctcttctc tctctctc ctctccgtgg cgcccccaacc 60



acgccgcttc cgcttatgtc tctcgaaacg cagtcgttga tgaccgcaga tccgatacctt 120  
 cctcccatcc cctttttccc ttcagaggtt ttgctactga atccctgata cacccaatag 180  
 aaaacagcat tattcctgag attcctgcaa ctgttactgc tgттаагаас cctacttcta 240  
 agat 244

<210> 36406  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888474H1  
 <400> 36406

agcaaagctc tcaactttac tttacgattt cgctacttcc agttccattg gcactcttgt 60  
 ttactctttt gaggaagtta agttcactgg ttcaagtatt ttgggatcca caaggtgggg 120  
 acgtaaagga ttgggatttc gatggagact gacagacctg acggccggac tcccaatcaa 180  
 ctgagacccc tggcctgctc ctgctctatc ctgcatcgcg cccatggctc ggccagttgg 240  
 gctcaa 246

<210> 36407  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888475H1  
 <400> 36407

cagaagccca tttggatgag aaagcctgag gagatcacia aggaggagta ttctgctttc 60  
 tacaagagtc tcaccaatga ctgggaagag catttggtctg tcaagcactt ctcagttgag 120  
 ggacagttgg agtttaaggc tatectcttt gttcctaaga gggcaccttt tgacctcttt 180  
 gacacaagga agaagcctaa caatattaag ctttatgtcc gccgtgtctt tatcatggac 240  
 a 241

<210> 36408  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888476H1

<400> 36408

gatacttttg ttctgttat agaacctcac tatgtgatca tgtcagacac ctttattaca 60  
 ggattaaatc agggggggcca cttgcatata ctaccatttc tacctcaact ctcaattccc 120  
 ctcataagct catgttttgg gctcagtaca aggcgcctgc atatatgggc agtattttctg 180  
 tctgtgtctg tttattggct gcagtgggtg ctcttggatt agctctcttg atagtaccac 240  
 ggc 243

<210> 36409

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700888477H1

<400> 36409

ctagctaagc gagctaaaac caaactcttc agcagtttgt ttttgcttag cttcttcttc 60  
 tgcttatgct ttctccacca ccacaaccac gtcgtattct gccactgcct ccaacacttt 120  
 cttcttcttc tcttgtttcc ttctcttctg tctcctctca gtccttctct gtgtttccat 180  
 gttctctggg attgagacag gagatttaga aaaaagagat gatttgtttc cacagattct 240  
 aag 243

<210> 36410

<211> 104

<212> DNA

<213> Glycine max

<223> Clone ID: 700888479H1

<400> 36410

ataccccttg ttaacattac ccgtggcatc tatgggcatg cctcctcaag gtttcattgt 60  
 tgctcctgag ggagaagtaa tacagaattc aaacccatgc gcac 104

<210> 36411

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888480H1

<400> 36411

gtgggttagca gcgaaaccca tccaagaaat atgagtatgg ttcccagtcc caaacaaaaa 60  
 caagttgtgc aattgcagca tatccagaac accaagaagc tctcttactc attctcacat 120  
 tcctactccc aagcctaaga ggtaccggag agaccaccgg catcatccaa gggatgaaca 180  
 ttccgacgcy tggcaggcca actcgtcgac agccacctca tcttcgccac tctccaacgc 240  
 atcgtcg 247

<210> 36412

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700888481H1

<400> 36412

gcagagttat gttgctggtg ctggggcaca acggataatg ggtcctacag gtagtgctcc 60  
 ttttggtcct gaaatctaca gaggaccagt gctttcatcc tctccagccg ttgcttatcc 120  
 acctactaca ccttttcctt atccaggatt tccatttgaa accaattttc cattatcttc 180  
 aaactccttt tctggttggt caacggcatt tatggattca tctactgtgg 230

<210> 36413

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888482H1

<400> 36413

tggacattgg atgtcccagc ttttttgtat ggtaacatct agctagtctt aggcttttagt 60  
 gttaggatca gtcattgtctt cataaatatg tttttatctt ttttttttat tttatcaatt 120  
 ttcacaaaaa ggggtttaac cagccaacca attaacaatc ttccttttgg gtaagggggag 180  
 gcaatatcta actactgttt ttttatcctg taaattcaaa gaggctaaac tatgg 235

<210> 36414

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700888485H1

<400> 36414

attgaagagg gaattgaagg aattgacaat gagaaatcat cattaatgtc tcaatcgaag 60  
 tttgagaaga agtttgggca atcatctgtt ttcatagtct caacactctt ggaagatggg 120  
 ggtgttccaa aagcagcaag ttccgcaaca ctcttgaaag aggccatcca tgtaattagt 180  
 tgtggttatg aagataagac agaatggggg aaagagggtg ggtggatata tggctc 236

<210> 36415

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700888454H1

<400> 36415

cgtccacctg cgagactaac ctttggcttt cgtctcgta ggtgtattct tatacatttt 60  
 cccaaaagaa cattcattca tttctttctt ccccgctgac cacgacgact gaaacgacgc 120  
 aaaa 124

<210> 36416

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 700888419H1

<400> 36416

tgcaaagtct tccttccac gcgtccttct tctaactctt gcttcccctg tttttcttc 60  
 tgtatttcac tgccaacaag aacagcacia acaaacaac catgaaacct ttcgtggc 118

<210> 36417

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700888420H1

<400> 36417

ctccaacgtg aagaagattg taattactaa tagtgtatgt acggtttgcg ggataatact 60  
 ttgatggttag tgagagtggg gtttgggacc tttgggtaca tgttatgcgg cacctatcgg 120  
 tttgttctta tattggcttg ctttttattt ttatttttgt ccatctggta tattggatct 180  
 catgtttccg taatatgttg ttgttcttat gcatggcttt tgtttaca 228

<210> 36418  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700888421H1

<400> 36418  
 ggttntgtt aatgggcttg taagtgttgt ggtgaatgtg atgggtgata gtttcccggg 60  
 gctaaaacaa caggaaacac acattcggaa tataattgaa gaggaggagg aaagttttgg 120  
 gagaacctta attaaggga ttgagaaatt tgaggcagct gttcgacaag ttcagggaaa 180  
 cataactgaac ggggaggaag catttgtctt gtgggataca tatgggattc cattagatct 240  
 cactc 245

<210> 36419  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888422H1  
 <400> 36419

cgctgtctcc gacatggacc cggtgaaatt gaattctccg tgaagatgcg gagtaccaac 60  
 ggctagacgg taagaccccg tgcaccttaa ctatagcttc gcagtgacaa ccttgatcga 120  
 atgtgtagga taggtgggag gtgatgacac agaacgacca atcctgaaag accactcttt 180  
 cgtctaagga tgcctaaccg ccgcaccgaa aattcggggg ggggcgggac actgcgaggt 240  
 gggtagttt 249

<210> 36420  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888423H1

<400> 36420

aggggttcct agacaaagtc aaggacaaga tccatggtga gggcggcgcc gccgagggcg 60  
agaagaagaa gaaggagaag aagaagaagg agcatggcca tgagcatggc catgacagca 120  
gcagcagcag tgacagtgat taaactgctg catcacctat atatttaaaa ggtttatggg 180  
accatagtag cgagggctgt gccttaattt ctctctctct ctctctccct atctctctct 240  
ctctctcttt t 251

<210> 36421

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700888425H1

<400> 36421

ttaagtcctt caaatttatt aattctttct tattttgatc ctaaagtta ttattatggg 60  
tatgttctta attacttggg aacaaaat 88

<210> 36422

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700888426H1

<400> 36422

gaaacaccta tagttaagga cagatcagta aaagtaccac cacctgcacc ctcttccaac 60  
cctcttcttc cttcacaaaa aactgagaaa ggaatgaaag tgcagccatt ggcatggcca 120  
agaacagcac caccacctcc tccaacacca ccaaaatcac tagttggatt gaaatcagtg 180  
cgtcgtgtgc cagaagtaat agaactgtat cgttctctca caagaaagga tgccaacaat 240  
gataacaaaa taagt 255

<210> 36423

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888427H1

<400> 36423

attcttcttc acaggcatgg ttgtggtggt tcctcttgat tggctctctt ttcagcattg 60  
 tcttcgcaat cgcacaaccc atttgcccct ctctccaga ttcaccacca ccaccaccac 120  
 ctctctctgc ttccactctc ccataattca agccaagttg ccttttttca ccaattccga 180  
 ctcttttcaa gtgggtcgac ccattggcac ttatggcttc atcaacgtca ccagctactc 240  
 tgcctttccc t 251

<210> 36424

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888428H1

<400> 36424

gtgaaattta taaaggaact ttaactttcg cgagcgacac aaacgcaatc aaatcaaatc 60  
 atagattgat ttggcaaccc caattccctt ttgattattt tttttttttt atgaattaaa 120  
 gcaatggggt ttggttgctta gtgttttttt ggacgcacga aagatgattc cttgggggtg 180  
 cctcagttgc tgtttgagtg ctgctgctct ttaccttctc ggcagaagca gtggcagggg 240  
 tgcggaaatt 250

<210> 36425

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700888430H1

<400> 36425

tgagaaagac acaaagcgta agaggcagtg tacatgacag gaacactgct tcttacgctt 60  
 tgtgtctttt gcttgaaa 78

<210> 36426

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888431H1

<400> 36426

atttgatttt tcaacgattc ttcttctacg cgtcttcttc ttcacactct cactcccaag 60  
tcccaatggc ctcttctcct cctcttctcct ccgctattaa ggatgccaaag gtgcttatgg 120  
ttggcgctgg cggaattggc tgcgagcttc tcaagaccct cgccctctcc ggtttccctg 180  
acattcacat cattgacatg gacaccatag aagtcagtaa cctgaacagg caatttttat 240  
ttcgacaatt cc 252

<210> 36427

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888432H1

<400> 36427

catctctaca ttcccaaggg ctctactac gcaataactc caagcccgat ctcaaattaa 60  
tatttcattt actcatctta atcaatatta aataagaaaa gatgggagag atgtcaaact 120  
tccaattggg tgtgattggt gcactatttc tctctgtggc ttcttctgtc tccattgtca 180  
tctgcaacaa agccttgatg agcaatcttg gcttcccttt tgccacaacg cttactagtt 240  
ggcatttgat ggtc 254

<210> 36428

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700888433H1

<400> 36428

cttctcttca ctctgccgc tgcatcaatg gcttcagaga agaaactttc gaacccaatg 60  
agggagataa aagtgcagaa gctcgtcctc aatatctctg ttggcgagag tggagatcgt 120  
ctcaccagag cctccaaggt g 141

<210> 36429

<211> 245



<212> DNA  
 <213> Glycine max

<223> Clone ID: 700888434H1

<400> 36429

gattttgcat tatgggagcc acctcatggt ccatacaaaa cattcaatta tccttggaga 60  
 agctatgtta aagtcagtgg agctttgagg cattgtgctt tcatgggcat ggcaatgcat 120  
 ggatgcatac tttcagaaat acaggcaccc ccagaaaaga ggctgggtttt cagcattgaa 180  
 cttcagaagg ttggcactga aggagctaaa gtattacgcc aacttggaag caaagtggaa 240  
 aatat 245

<210> 36430  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888435H1

<400> 36430

ccttgccctg ccatggcctc aaactccatg gctggcttga tcaccgggtc gaattctcac 60  
 ttctcgcgtg actccgatga gcatcagact cctcctaccc gacagggttc atcgaaaact 120  
 acttgctgag tttgtggcga tgagattgga tacaaggaaa atggggagct gtttgtggct 180  
 tgtcatgtgt gtggatttcc tgtttgccga ccgtgttatg agtatgagag gagtgaaggg 240  
 aa 242

<210> 36431  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888437H1

<400> 36431

ccttctcttc tcacagtcac aggttctggt tggtatggtt tccttttttt ccatttcccc 60  
 ccttctctcc acactatctc tttcttcatt ttcccaatta tgatgtgtca ttgagacaga 120  
 agaagaagaa gaaattggag ggggtgtgtg atcgggtcct caggatgaaga tctgaggcgg 180  
 ttggtgtctc ttttcttttc tccgagttcc aaagatgagc gcttctaggt tcatcaagtg 240

cgtca

245

<210> 36432  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888438H1

<400> 36432

cgattcagaa ctctgtccca gccattacat ttctcatggc agtcatactc aggatagagc 60  
aagtgaggct gaacagaaag gatgggatag cgaagggtggc gggaacgata ttctgtgtgg 120  
ctggggcgac ggtgattaca ctatacaagg gtccaacaat atatagccca agtccacctc 180  
tacagagtga gagctcagta gtagttgagt ttgggacact ctcatcactg ggagatgcaa 240  
agggga 246

<210> 36433  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888439H1

<400> 36433

aggacattca ttcatttatg gctaccctta ttgctcccag caaccactct ccccaagaag 60  
atgctgaagc tctcagaaag gcttttgaag gatggggaac tgatgagaac actgtcatag 120  
taattttggg tcatagaact gtgtatcaga ggcagcaaat cagaagagtt tatgaggaaa 180  
tttaccagga ggatcttgtg aagcgcctag agtctgagat caaaggagac tttgagaaag 240  
ccgtgtac 248

<210> 36434  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888441H1

<400> 36434

tgtgattctt gctttgaaga aaagcaacat tactactata gtactattct tccataagaa 60

accggaatat taagaagctg gtgacttcaa gagaaagaaa cggctttcta tccaaggggc 120  
 agtattgttt ggacaggggg aaaggaagtg gcaaaaaatt cgaaagaaga tgggtattctg 180  
 ataaagagct tcttttcctt tgttttttgt tttttgttt ttgagggatt aaatgatgct 240  
 ttttctttat 250

<210> 36435  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888442H1

<400> 36435

gagagagaga gagatggcag cttctgggtc gtggaagagt gggagtgggtt cttcgatggg 60  
 tctggagagg atgagcgtgg agcagctgaa ggcggtgaaa gagcaagccg atctggaagt 120  
 taatcttctc caagacagcc tctccaacat tcgcaccgcc accacccgcc tcgagatcgc 180  
 ctctctcgcc ctcaacgata tctcctcctg cccccagggc aaccacatcc tcgtcacct 240  
 caccgcctcc 250

<210> 36436  
 <211> 103  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888443H1

<400> 36436

tctctctcgt cttcaccaat ggcgtcgtcg tcaccaccac cttctctgtt cttcctctc 60  
 ctctctcgtc tattegccgc caccgcatcc tgctcacct gca 103

<210> 36437  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888444H1

<400> 36437

gtgaaattgg agagaaaaaa aaaaatacac tcaaacatgg agggctatga gatcctcaaa 60

gatattggtt ctggaaattt tgctgtggcc aagcttggtta gagacaactg caccaatgag 120  
 ctttttgctg tcaagtttat tgagagaggc cagaagattg acgagcatgt ccagagggaa 180  
 atcatgaacc acagatcatt gaaacacccc aatattatta gattcaaaga ggttctgttg 240  
 acaccaac 248

<210> 36438  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888445H1

<400> 36438

gtgatccttg ctatgttgaa gggtatcatt tggctgatgc aagtgatggg aggatcactc 60  
 tgcatttgaa ggtcttaaac ttaactgagc ttgaattaaa tcgggtggat gtacgcgtgg 120  
 gattatcagg tgcattatat tatatggatg gctcttctca agctgtgcgg caattgcgtg 180  
 gtcttgtttc acaggatcca gtgttgatga gtgtgacagt tgggtgtttcc cactttgaaa 240  
 gatgtg 246

<210> 36439  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700888446H1

<400> 36439

cacaacatgg gacgaatntc tttgtttatt gtttgttnag ttgaaacttt ananaaaatc 60  
 aatagtata tggaggcaaa ggggtgtgcgg ttcttagcgt atcaatcaat attttcgagc 120  
 gttgatctg gggacttcga tggggatgaag aaactgggtg aggaagtga gaaggaagaa 180  
 gggatcatgc tctctgatgt gatgtctctt cagaacgatg ctggagagac tgcgctatac 240  
 atcgctg 247

<210> 36440  
 <211> 151  
 <212> DNA

002220-CTT22560

<213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700888447H1  
 <400> 36440  
 ttacgttttt gttctcgtgt caatttctaa atccaccacc acaccctcta ttctcttctc 60  
 ttctctccac acaacataag gaacgaataa ccttntctcg aatcttcaaa agnaatnnac 120  
 taaaacannt tnaantctctc cgctctcaaa t 151

<210> 36441  
 <211> 96  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888417H1  
 <400> 36441  
 caagccccac tcaaccacca caccactctc tctgctcttc ttctaccttt caagttttta 60  
 aagtattaag atggcagaga cattcctatt tacctc 96

<210> 36442  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888448H1  
 <400> 36442  
 acctcaaaa cataacatcc tacgccaaac aaaactttga cctccttcag atctataccc 60  
 ttctctctct ctctcttcta ttttcaaatt ctacatcatg ggcacggagg ttctacggcc 120  
 acaagattgt ttcacccaac gcatcggtgt tccaccgcct ggcttttccc ggcgaagaac 180  
 ctattgtacc caccacaaca acaaaaacaa taacgttaac aattatttca ggggtaaccg 240  
 gaagccgaca 250

<210> 36443  
 <211> 123  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888450H1

0953113-032200

<400> 36443

ggcctgccac tcctccggag agacctaaaa caccacctta tgtccctcca agagctcctt 60  
ctcctagacc tccctctccg agggctcctt ctccaaggcc tccgtctcca agggctgctt 120  
ctc 123

<210> 36444

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700888451H1

<400> 36444

gtcagctgcc gtggagggtta tgctacttgg tttagcagca aaaggagcga cccgaacctg 60  
ctcactggtg ctcttggttg tggacctgat gcatatgatg actttgctga tgaaagagat 120  
aact 124

<210> 36445

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700888452H1

<400> 36445

gttgggagtg acgatagtga accgggggtcc agacacagaa cttctgggtg ctaatcctgt 60  
ggagctgagt ggaaagggga gaccccgtgt attctatgat gttacgttga ctttaaaagc 120  
gttgggagta ggcattttct cggctgaagt tgtagacat tcaacacaag aacgtca 177

<210> 36446

<211> 66

<212> DNA

<213> Glycine max

<223> Clone ID: 700888453H1

<400> 36446

accttcttgt atatataaaa attaagggat tggtatatgg taccggattc ttagtggtgc 60  
actaaa 66

<210> 36447  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888383H1

<400> 36447

gcagagccat gtctcactcc gacagcagca agaagaagaa gcagcagcag cgtagcaagc 60  
 acgaaggagg aggaggagag gaagaatcga aagacgaatg cgggttgatg atcaagccgc 120  
 agagcgtcac tcccccaatc gacacctgcc caatggccca tacctcctca gaaactatga 180  
 gcgtctcaat gtccggaacg ggcaactacat ccccatctcc tccggctact ccccatgaa 240

<210> 36448  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888385H1

<400> 36448

tctcgagccg attcggctcg agggaattgc agccctgata tctaactctt tctatcctcc 60  
 agtatattac tcttttatgt gttaccatt tttctgcaac ctttacttgg gatttatcac 120  
 tgtattgggc atctccacca tcttgttttc tctactccca gtgttcctaaa atccagaatt 180  
 ccgcaccatc cgagcatctc tcttcttttg aatgggttta tctggcgcac acctattctg 240  
 c 241

<210> 36449  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888386H1

<400> 36449

tgatcatgcc gctttgcagt ttctgcgctg ttcataaaac ctttctccga caacttgtag 60  
 ctgctgctgc tgtttctctt tcattttttt tttgctaagg actcaaggaa tacaacatcc 120  
 tgatatttgg aggacagatt aaagagaaac atcgtggagg aaacaatggc agcaaggat 180

tggtgtcaca tgtgctctca aatggtcaat cccatcatgg atatggaaat cagatgcccg 240

<210> 36450  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888387H1

<400> 36450

gaggcattag gattttgagc agacctagaa ttccagtccc ttccgatgat cctgccggtg 60  
attacactgt cctcattgga gattggtaca agctcaacca cacggatttg atgtctctgc 120  
ttgatagcgg taggaagctg cctttcccca atggaatcct aatcaatggc cgtgggttcta 180  
atggtgcata tttcaatgtg gaacaaggaa agacctacag gcttaggata tcaaattgtg 240  
gg 242

<210> 36451  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888388H1

<400> 36451

gttcccagtg tgctagaaac atggactctg ctttgcaaag actaattttg agagtttctca 60  
gtttttggac tatactttcc tagattttca ggggtgccatc atgtgtcaaa agctattgac 120  
gaataatcca tctccagatc caatcttggt agtagagtca caaccaaaaa tgcgatgttt 180  
cttctcgaag ttgctgtgta agtttagtcc accaagtaga agagattgac gaaggaggga 240  
tgatgga 247

<210> 36452  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888389H1

<400> 36452

gcagtgggcc tccgtctcct acggcgtctt catgtgcgtc gaatgctccg gcaagcatcg 60



tggcctcggc gtcgagatct ccttcgtccg atcggacacc atggactcct ggtcagacat 120  
 tcagatctcg actatggcag cggcgggcaa cgacaagctc aacgcattcg tcgcacagta 180  
 ctccatatac gaagatcccg acatcgctac gggtagaaca ccaacgcagc ttct 234

<210> 36453  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888390H1  
 <400> 36453

caactcttca aaagggagaa gaaaaggaaa gaaaactctc aaaaaactat tatagcaatg 60  
 gcagaacaaa accaaaacca aacaactgaa gctggaaggc accaagaggt tggtcacaag 120  
 agccttctcc agagtgatgc tctttaccag tatattctgg agacaagtgt ctacccaaga 180  
 gaacctgaat ccatgaaaga actgagagag ttgacagcaa aacacccatg gaacatcatg 240  
 acaa 244

<210> 36454  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888391H1  
 <400> 36454

atagctctgg aactgaaatc tggataattt tccaggtttc ctacagcttt gaacaaagtt 60  
 ttagcaggag cagacttagg agatagaaaa atcagctcct tttcccctta gtttcagaag 120  
 gaattgattg ctcgacgatt gctacttttt taaggaacgg gttcaagaga tggagaacga 180  
 gtcaattatt cagagcaata acaatacgaa cacaatgtct agtggttagag aaaaaaacgg 240  
 agg 243

<210> 36455  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888392H1

<400> 36455

gtttgttggt gtaactcggt cttcttcttt tgttgttctg tgtttggtgtg tgttttttct 60  
 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaagctcc tgcaagtgcg 120  
 gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180  
 ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaatgg 240  
 gt 242

<210> 36456

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700888393H1

<400> 36456

ctttgatgaa attgcagaga gtgggaattg aagagcaatg gcttacagta gcttcatcat 60  
 catcattttc tacaaggctt cttctgcatt cacacacacc tctagtatgc agaagaagat 120  
 gcagacccaa ttttctgagg atggtgactc gtcctgtct cgatgacagc tctgctctcc 180  
 tccgagcagc gcaacacact gtggatacat acgtgaaaag tggcatgggt gtaggattgg 240  
 gg 242

<210> 36457

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700888394H1

<400> 36457

cagaccogtg agcatgctct tcttgctttc accctaggtg tgaagcagat gatctggtgc 60  
 tgtaacaaga tggatgccac taccaccaag tactctaagg ctaggtatga tgaaatcgtg 120  
 aaggaagtct cttcttactt gaagaagggt gggtacaacc cagacaagat tccctttggt 180  
 cccatctctg gttttgaggg tgacaacatg attgagaggt ccaccaacct tgactggtac 240  
 aag 243

<210> 36458  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888395H1

<400> 36458

cagacccgtg agcatgctct tcttgctttc accctagggtg tgaagcagat gatctgttgc 60  
 tgtaacaaga tggatgccac taccaccaag tactctaagg ctaggtatga tgaaatcgtg 120  
 aaggaagtct cttcttactt gaagaagggtt gggtacaacc cagacaagat tccctttgtt 180  
 cccatctctg gttttgaggg tgacaacatg attgagaggt ccaccaacct tgactgggtac 240

<210> 36459  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888396H1

<400> 36459

attggccagc tgataagatt aagggagaag agtggttgac ggaccttgaa tactgcaagc 60  
 aaaaggggtt gtattatccc attgcaaaga ctctagcaga gaaagcgggt tgggactttg 120  
 cgaaggagac aggttttgat gttgtcatga taaaccttg tacagcattg ggccctctgc 180  
 ttccccaag aatcaattca agcatggctg tgcttgtag tgttctcaa gggggcaaag 240  
 aga 243

<210> 36460  
 <211> 100  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888401H1

<400> 36460

ggagaactcg actgaagctg cctctgcgac gccgtttcga ttcagcctca gacatttcg 60  
 ttgcagtcac ggtgcaagaa aatggcaaga ggaagaaacc 100

<210> 36461  
 <211> 250

<212> DNA  
<213> Glycine max

<223> Clone ID: 700888402H1

<400> 36461

acacaactcc cggctattca aagaactgct ccagggcgaa cttcaccttc ttgcaagcc 60  
cctgctccac aggttggttaa tcgacctggt agtgggtctc aagcttcac tcccccaaa 120  
acatccagcg cgattagttc attggattct ggagaaattg atgcagcttc agattccgat 180  
aaattgaagg gtgcattggt tgggaaggga aggggagctc cacagggtag tggaaggggc 240  
tcttttgttt 250

<210> 36462  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888403H1

<400> 36462

gaaggtcttg ctgaggccat tgatgatggc aagattggac caagggatga ccccaaggtt 60  
cgttccaaga tcttgctga agagtccggt tgggacaagg atcttgccaa gaaaatctgg 120  
tgctttggcc ctgagaccct tggaccaaac atgggtggtg atatgtgcaa gggagtccag 180  
tatttgaatg aaatcaagga ttctgtggtt gctggattcc agtgggcatc aaaagaaggt 240  
gctttgg 247

<210> 36463  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888404H1

<400> 36463

ctcgagccga ttcggctcga gtgcagctgc acgatttatg gaagactggt ttgagcgaaa 60  
ggggtctgta agaatggata gggtagatt tgaaaatgat ggagtcccc gaagaatttc 120  
aaacataatt cccagtcttc atgataatta ccatgaatta ctggaacttg ctgcctcatt 180  
ccgatctcct cttggtaaac ctgcaaacca aacttcagga ttgctagacg tgt 233

<210> 36464  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888405H1

<400> 36464

tgggaatgaa gaatgtgaat cagtaccta ggtggtggaa gcattgagca atgtcaaagc 60  
 tgttcattgtt gcaacaggag attacacaac ctttgtcgtg tctgatgatg gtgatgtgta 120  
 ttcatttggc tgtggagaat ctgctagtct tgggcataat gctgctggaa atgatgagca 180  
 gggcaacaga catgcaaatg tgtaagtcc agagcttgct acttcactga agcagatcaa 240  
 tgaacgggt 249

<210> 36465  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888406H1

<400> 36465

tttcattctg agcaggatc tcttagagtt ccagcatgta actatgttgt aagcaccatt 60  
 gcctatgagt tgaatgttct ccgtgcaaga gggccaagga gaatgcactg caccatgaac 120  
 tccatatctg tctcagctgt tcaggaaggg ggcaatgctc caactcctac atcttttctt 180  
 caaatcattg acgagccttt ttctccctca ccagcactga aaggaaaagg tccaattaga 240  
 gatctagaca 250

<210> 36466  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888409H1

<400> 36466

agttgacctt cttcattgat tactatttct ccctcagatt tcgcttcaat cttccatccc 60  
 cggtccgttc aattctactt tcaaggttgt gtattacatg aatcgtttgt tgaaagatgt 120

ttgactgtgg ttacaagtcg caatatgtgg gtgggcaatg tgaaaaattt gtgagggttg 180  
 atgacttggg ttctagacta tcatcatctt ctgaagctgc agttaaaaca tgtggattta 240  
 gtattgataa atta 254

<210> 36467  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888410H1  
 <400> 36467

tgtttttgc tccaaactgtg gtgttgaggc atcaacacca cagtttgcca caaaaacttt 60  
 cagcaaatcg agattcagga gggtttcttg catcagatcc acccacagca tcacaagtac 120  
 cctgggtatgc cttaatgtat tgtagagcaa tacacgcaag caccgggttg tccgttgagg 180  
 ctgacacctt gtgagcagtt ctgttttcgt taatcgcaac taccaacttg tccgcagggt 240  
 tgtagtaac t 251

<210> 36468  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888411H1  
 <400> 36468

tacacgttgg gttggaattg atgaagttga ggacgaggaa aatgaggagg cataaacatg 60  
 tcatctaaat atctgactgc ctcttcagcc aaggcaaaag ggcttttctg gttttccctt 120  
 gaaataaagg ccaagttgct acacgttgaa ttttactgaa actgtcattc ctgaagttca 180  
 ttatgtaa atgaagtgtga gaactcagtg ccgtattgaa gaaatgttca aatttatgtg 240  
 ttaaatgcta cc 252

<210> 36469  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888412H1

<400> 36469

ctgaaacgca gatcgaactc cgccgtagcc atcatcaccg atcgaacttc gcaagacaga 60  
gatcagattc tgattccgac acagtaacag tatgagcgtc atcgacattc taacccgagt 120  
cgattccatt tgcaagaagt acgacaaata cgacgtcgat aagcaccgag atgctaattg 180  
ctctggcgac gatgcctttg ccagactcta cgctccgtc gacgccgaca tcgaggccct 240  
acttcagaaa gcag 254

<210> 36470

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888413H1

<400> 36470

ctaaacccta ctcatctcc atacctcaac gaagagggtta aagagacggc aacactttgc 60  
tgtccgcctt gaccgagcag agcttcgtct tggccctcga ttttgcccta aagtactctc 120  
agtcacaaca gacaccgtcg tcgtcgctcg cgatcatcaat ggcaccgaag cagaccaagg 180  
ctgagaagaa gatcgcttac gatgcgaact gtgcgaccta atggaggagt acggccagat 240  
cctcgttgtg aa 252

<210> 36471

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 700888414H1

<400> 36471

atgaatttgg ggtaaaggaa cacatgacat gtaacgaatt tggggtaaag gagcacatga 60  
catgtaacat ttttgttttg taatttgga ttatcttttc aatatcaaag taactgtata 120  
agctataaag catgaattac attattgtct ggttcacttt tactgaacat ttgaatgaaa 180  
tcacaaaag 189

<210> 36472

<211> 255

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700888415H1

<400> 36472

ggtatatcta taggcatagt tactgccatt gcagctccag caagtctaac ggttgaattt 60  
 gaaggcaatg gtggccatgc ggggtgctgcc cttatgccta acagaaatga tgctgggtctg 120  
 gctgcttctg aattagccct ggctgtagag aggcattgtgt gggattctgg aaaaattgac 180  
 actgtgggaa ctgtgggtat cctggaactg catcctggag caatcaacag catccccagc 240  
 aaatctcacc tagaa 255

<210> 36473  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888382H1

<400> 36473

atgcaaactc atgtgcagag cacttgtgca tccccattt ttgaagccga gagtacattt 60  
 gtggaaaata tgcaggatgt gccccagctg gaaagtctta aactgaacaa aattgatatg 120  
 gtggaccatg aaaagtgtgc caaatgtgaa aggaaatcag ctaagcataa ggatgaaaca 180  
 gaggatttaa tgctagaaca agactgtggt gttgctgaac ctgaaactga aaacgaggat 240  
 ga 242

<210> 36474  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888353H1

<400> 36474

gagacccaag ttttgtttta acccatagaa gaagaaggga agggtttagcg agtaactact 60  
 actactgtca cttgactcaa tggaagggtga agaggtgttg gatgtggaca ttcaggagga 120  
 gaagctttct ggctttatct tcatgtgtaa tagaattaca aaaccggagt gctactgtta 180  
 ccgagttttc gggcttcctg ctgggagaaa ggatgttggt gagaagatca atcctgggac 240



atac

244

<210> 36475  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888354H1

<400> 36475

caaaaacacc aaatgggaga ggaaaaagag cagcctaaga atgaaaccga gaagaagccc 60  
 gaggaggccg ccgcagcccc caagaaagac gacggaccca tccctgtcgt ttacaaactc 120  
 gacttgcatt gcgagggatg cgtcaagaag atcaaacgca catgtcgcca cttccaaggt 180  
 gtggaaaccg ttaaggcaga tctatcgtcg aacaaagtga ctgttaccgg caaattggat 240  
 gccgag 246

<210> 36476  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888356H1

<400> 36476

ttactacaca ggttttgatg cactcatgtc ctcaacattt tcagggtgagt gtgcatcttg 60  
 tgtgtgcagg aaagaggcct tgggtgtggg agggaaacta gtgaggtata ggggttggtc 120  
 aatgaccata ttttttgttg tgggggtggt gtgtttgagg attatgtgca aaatctcagg 180  
 agaaaactat gcagggaaat ttttgttcat caaagccttg atggaaaggt ttagctggat 240  
 tttaat 246

<210> 36477  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888357H1

<400> 36477

tttttaagcc agtaccgaaa ccagttccca tttataagcc aattccaatt ttttaagccag 60

0953113-032200

taccaacacc aattcctttt tttaagccta taccaaagcc tgttcctatt gttaaaccta 120  
ttcctattcc agttttttaa cccataccta aaccatttcc aattgttaaa cctatccctt 180  
aagccaaagt cattttttta gccagagact ttcttcagaa aacctattcc taaacttcac 240  
ccaaatct 248

<210> 36478  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888358H1

<400> 36478

ctaagaattt acaacaaggg aggatgttgc aattgtgctg attagccaat atgttgcaaa 60  
tatgataagg tttttggttg atagctataa caagcctggt cctgcaatac ttgaaatccc 120  
ttctaaagac catccttatg atccagcaca tgattcagtt ctgtcacgag tgaagtatct 180  
cttcaatacc gaatcagttg catctgggag acgctgaatt caccgtttac agttgcagct 240  
ttttgg 246

<210> 36479  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888359H1

<400> 36479

atcctatcat ttgcaatcat ttcctatgtc atctaaacct tcttttaaca aaacaaaaac 60  
catgttgaag aagcaatctg tcttgcctt ctactagta atgctaattt catttatgta 120  
ttcgacaacc accttagccc aattatcacc agcttcagcc cctctcaaac cgccccaacc 180  
tgctcctacc ataccagctg eggctcctca acaaccattg gttccctcat tgccacagtc 240  
accaag 246

<210> 36480  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888360H1

<400> 36480

agtatctggt gctttggttg ggaataacga aacgatggga gctgaaactg aatcatcaca 60  
 ggaaaaaccc gaacaagaga ggccgaagcc tactctctca caggaacagt ttctctcatg 120  
 gaagcgccac aaggacgctg cagtatcagc cagaaaagcc gaagtatcca gtaagcgtgc 180  
 agaagatatt gctgcaggaa ctgtccaaat gaatggccgg gagctatddd tacatgagcc 240  
 atgg 244

<210> 36481

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888361H1

<400> 36481

cgctctgtta ctcttctgca ttgcctttac ctcccacgtt gccgtgcagg cgcacatgga 60  
 ggacacggcc ttcaacctca tgtcggacgc cttggagtgg cccaccacaa tgtcgctcta 120  
 cgacgaagac gacgccaag aggatgtcga gaacgcttac agtcggagat cgttgttctg 180  
 gcggcggatg aagtactaca tctcctacgg tgctctttct gctaaccgaa ttccttgccc 240  
 gcctc 245

<210> 36482

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888362H1

<400> 36482

gtgtccttga agcttcagaa gtcctcgcgc gctagcgtcc taaagtgcgg caagggcaag 60  
 gtctggcttg atccaaatga agtcaatgaa atctccatgg ccaattctcg acaaaacata 120  
 aggaagttgg ttaaggatgg gtttattatc aggaagccga ctaagattca ctctcgctcc 180  
 cgtgctcgtc gaatgaagga ggccaagaga aaggggcgtc actctgggta tggtaagcgt 240  
 aagggtta 247

<210> 36483  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888363H1

<400> 36483

gtttatccca cttgggtcag ctggataaac acagtcattc tgaacatttc agtgtcactg 60  
gcattgtatt ctcttgttgt tttctaccat gtgttttcta aagagctgga gccacataag 120  
cctcttgcca agtttttatg cataaagggg attgtctttt tctgcttttg gcaggggaatt 180  
gtgcttgatc tcctggcagc actaggaata atccgatccc gttattcctg gctagctgtg 240  
g 241

<210> 36484  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888364H1

<400> 36484

tggttgctgct catcctccgt aacctccgag ctctgcaccg aagaacgaag ccatggggaa 60  
gacacatgga ataggatctg ctgcgaagct caagtccac cgcaggaggc aaaggtgggc 120  
tgacaagtca tacaagaaat cacatcttgg aaatgaatgg aagaaacctt ttgctgggtc 180  
atcccatgcc aagggaattg tccttgaaaa gataggtatt gaggctaagc agcccaactc 240  
tgccattc 248

<210> 36485  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888365H1

<400> 36485

agcgtggcca aacaactatc agtggatcat gaaccaagca tagaaagtga agatataaga 60  
aacagagggtg gttttgtgtc aaacttccca ggggatgttc cacgtgtcga tggtcagttg 120

gcggtgtcaa gggcatttgg tgacaaaagc ctgaagatac atttgagctc agaaccatat 180  
gtaacttttg agatgataga agatgatgca gagcttctta tactagccag tgatggg 237

<210> 36486  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888366H1

<400> 36486

ctgaattgcg gaggaagatg attcagcttc tggtcacggt gatattttcg gaggattcga 60  
tgatagcggt gctgctgttc aagacacctt tgaggaagct cgtgataatg ggcttggatc 120  
ggttgaagcg aggtcgtgga cccttgatgg tgaagaccgt tgcagggacc gttctcgtgg 180  
tgttgttgtc gagtgtgtat agcatgttga agattcagaa gcgtgggac ccaagagggtg 240  
c 241

<210> 36487  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888367H1

<400> 36487

gcaaaatcat ctaaaccgt ttctgaccc gaatcatcag tttttccctt gaaagatggg 60  
aggtggcaag gacaaacaca atgaagaaga gaaaggagtt ttctcacatc tggctcatgg 120  
agtagctcaa gctgctcatg gttaccctcc aggggcatac cctccacctc ctggggcata 180  
ccctccttac caagggtacc cacctgctca tggctaccct ccacaagggtg gctatcctcc 240  
g 241

<210> 36488  
<211> 191  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888368H1

<400> 36488

ctgaactcat ctcactacat taatattccc ttgggtttca ttaactgtga catttagctt 60  
tgtttattga accgtgtcaa tggccgctac tatgaaggct ttagcttttg ttgctttgcg 120  
tgttaccatt aatgcaatag tgtgtgaaag tagagtggcg agacatgacc ttggattgga 180  
ccttgaggagg g 191

<210> 36489  
<211> 244  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888369H1  
<400> 36489

gataaaaaga atattcagag aattccaaag acagagatga ctgtcattaa ggaagagcaa 60  
caaccaaacc aaatagctgg ccacaaagaa cttggtcaca aaagtctcct tcagagcgat 120  
gcactctatc agtatatact tgaaaccagt gtgtacccaa gagagcatga gagcttgaag 180  
gagctacgag agttgacgga aaaacaccct tggaacctga tggctacacc acctgacgaa 240  
ggac 244

<210> 36490  
<211> 244  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888370H1  
<400> 36490

gtctcaagtt gctcttcttc tttttttctt ttctttcacc ctcaaaattt ctcaactctct 60  
ttatcttcac cttttcagtt taaagcttca gatcacaaca gatccaccat tcacctcacc 120  
actttctctt cacaaggcaa atctaacaag aaaaagtagt ctctgaagcc gatccagtgt 180  
cttgtgaatt tggaattggt agtgaattta gatctaaaaa gccatagcaa tgtcttttat 240  
cggc 244

<210> 36491  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888371H1

<400> 36491

gttcaaacct ctgtcgttgt gattgagcaa aaggcaaaga agcagctcgt ttttgtcatt 60  
aacaagctca tgtggatggc ttgccttttc atttccattg ccttcatttc tcttacatac 120  
gtggtggtgg gatcacactc cagatggctt gcaatatatg ctactgtgat tggaagcttg 180  
ataatgctct ctacaattgg ctccatgtgc tatttgttaa ttttgcatag gatggaggag 240  
ac 242

<210> 36492

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700888372H1

<400> 36492

gtctggaatg gtggtgactt ttgcaccaac tggactgaca actgaagtca agtctgtgga 60  
gatgcaccat gaatctctta cagaggcaca tcctggtgac aatgtgggat tcaatgttaa 120  
gaatgttget gttaaggact tgaagcgtgg ttatgttgcc tcaaactcaa aggatgaccc 180  
tgcaaaggag gctgctaact tcacagccca agtcatcatc atgaaccacc ctg 233

<210> 36493

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888373H1

<400> 36493

ctcaccaacc acctaggggt tctctccgac gttaggtttt ttttttcgtt tctcgccggg 60  
atthttggggg cagacttaat ctccggcagc tatggcctcc aacttgcaga tgagccctca 120  
gggtggagcag atccacggtg aaattcgca caactttcga gccctcgcaa atggctttca 180  
gaagctggat aagattaaag atgccaatag acaaagtaat cagctggaag aactcacgga 240  
caaga 245

<210> 36494  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888374H1

<400> 36494

gtcggaggac agtctcccg cgcagcgccg ttaaactc cggcaactcc cgccgcccgc 60  
 actcccgccc aagcacttc cacagtaccg aaatcaccag ctcccggtgc ttctcccaa 120  
 tcatctccac cagctgcaac cctgcatct actccggcgg catctccac caccacccc 180  
 gccgcgctg ctccggtgac caagccacct gcagcctctc ctctccggc gactctcca 240  
 ccggc 245

<210> 36495  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888376H1

<400> 36495

atttcctata actttatggc taataagtat ccaatgttct tttattttcc ttcaggtaag 60  
 tccacagcta tatggagaca actatccaag gttcttact tattggacta ctgatgcata 120  
 tcaaacaact ggtgctaca acttactctg ttcaggcttt attcaaacca acaataggat 180  
 agcaataggt gctgcaattt cccaagatc cgctttcaac agaagacaat ttgatattgg 240  
 ccta 244

<210> 36496  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888377H1

<400> 36496

tggtgctgct catctccgt aacctccgag ctctgcaccg aagaacgaag ccatggggaa 60  
 gacacatgga atgggatctg ctgcgaagct caagtccac cgcaggaggc aaaggtgggc 120  
 tgacaagtca tacaagaaat cacatcttgg aatgaatgg aagaaacctt ttgctgggtc 180



atcccatgcc aagggaattg tccttgaaaa gataggtatt gaggctaagc agcccaactc 240  
tgcc 244

<210> 36497  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888378H1

<400> 36497

ctcgggtgaag tcaaggttgg tctcttctgg tctgttctgt tcttctacgc agacacataa 60  
aggaaacaca acgcacctct tcttcttctt ctttccttc aaatttcaac ttcttcatcc 120  
aacttgtcct ccaaacagca caaactgc aatcacaccg tcttgcgttt ctactcatct 180  
aaaagatcct catgggttgc tttggcttct gcaaaggaga tgatagtgtt acagttgctg 240  
acagagg 247

<210> 36498  
<211> 224  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888379H1

<400> 36498

agagactgca aagaagaatg aactggggag aagattcggg ttataataac caagatgcag 60  
ttgagttatc ggggtggaaga tgagaagata cataaattta gaccattaca gttgatactg 120  
tatcacatta tcccttctta agaggtgaat tcgattaaaa acaaacatag gtgttattgt 180  
actccaagtg taaaaatata ggtaataatc ttcattttct gatt 224

<210> 36499  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888352H1

<400> 36499

gtaacagagt accttgcttc tcttgaggca tcatatctaa accttctga ttctactttc 60

aaggatcttc ggagaaagct tcctgtcacc cgcacgttat ttccatggca taatactttg 120  
 cagttcagct tgacaagaga catctcaaaa gaacttggca ttggaaagta aatacactac 180  
 attcacacag aacaaataaa agtttgtgtt tactcggtgg tgacaagttc ctcatatatt 240  
 cactaca 247

<210> 36500  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888323H1  
 <400> 36500

tgttttcagc tcctttaag cgcacaagta gcttgtgttt tgatgaaaag ctctttgtgc 60  
 agtcacttta caagcttttg gtttttatca cagaaactag ttccatcatt ttatacatca 120  
 gggatgttga gaagctcgtt ctccaatcac caaggttata taatttacta caaaaaatga 180  
 taaagaaact atcaggttca gtgttgatcc ttgggtccca gatattagat tcagaagatg 240  
 attgcaaaga 250

<210> 36501  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888325H1  
 <400> 36501

cggctcgagc aacactgtgt tcctgttttt gttcttcgat ggcggcaacc tcaacatcac 60  
 tggtttctca actctacatt ggctgogcc gccctgcct caagctcgat tctttcaatt 120  
 ctcaatcttt ctctctcttc gaccctaata ttgcctatc cctctctcca cccaaacct 180  
 cacgcgccgt catcgccatg gccggcaccg ggaagtcttt tgttggtggc aactggaagt 240  
 gtaa 244

<210> 36502  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888327H1

<400> 36502

caaacacaga gaaagagagt gaataaatcc agcattgttc tgttctctgc aacattctcc 60  
actctcaacc atggcttcaa agcttttact catcactgtc ttcgtttttg atttgattgc 120  
ttttggactt gccgtggctg ctgagcagag aagaagcacc gctagtgttg tgacggacaa 180  
tgaaaagaat tataattact gtgtctataa ctctgatata gcaactggct atgggtgttg 240  
agcatttt 248

<210> 36503

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888329H1

<400> 36503

cctctcttca ttccaattca ttttggcacc acattaactc taaacacacc atgccaaccc 60  
tcaatgatgt cctcacattc tcattcttcc ttctctctc ttgctattgc cacctctca 120  
atggccaaga ggactcctca tttggccatg ccatcgacag aaaattgcta ggccataaaga 180  
gaaaagaaaa actcagccac ttcaagttct attggcatga catagtgagt ggctcgcaacc 240  
cctcgtcggt gg 252

<210> 36504

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700888330H1

<400> 36504

cacaggctct agtccaagta ctccaaggcc aaatttcttg tactcttcag ctagtgggtg 60  
aaaccatagt cataatcatc atcagcatca tagccatcac cgccaccatc agtttccact 120  
caacatctta ggccgtcaat cgggtggatc agatcattgc tttcagtctg atcaagtgtc 180  
accacacat tctgtgaaat ccgaagccag cacttctcag cttc 224

<210> 36505  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888331H1

<400> 36505

actgtctctg aacgcgctgg ttcgtcttcc tctctcgaat tcacgcttcc acgacgatgc 60  
 tgctccgatg attattaggc actctctggt ttcgagccga aagcaacagc agcagcagca 120  
 gagttataag gttccacagc gtcacatcaagt gttcgtgggt gaagccaagg gcaaaaaggg 180  
 aatgatgtct cgtcaatttc agcgcgaatgc tctcctcctt ttaccaaga ttgaagacga 240  
 tggcaatccc a 251

<210> 36506  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888333H1

<400> 36506

gccatttttg aaacaggaat aaaagtagta gatcttttag ctccttatcg tcgtggagga 60  
 aaaataggac ttttcggtgg agctggagtg ggtaaaacgg tactgattat ggaattgatc 120  
 aataacattg ccaaagctca tggaggtgta tctgtatttg gcggagtagg tgaacgtact 180  
 cgtgagggaa atgatcttta tatggaaatg aaagaatctg gagtaattaa tgaacaaaat 240  
 attgcag 247

<210> 36507  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888334H1

<400> 36507

tctcgagcga atcggctcga ggacaaattt atggagttec tctctgtgga acaatagtac 60  
 tgcaaccttt tgctatcggc ggatctgggt ccagttactt gtatggtttc tttgaccaag 120  
 cctggaaaaga gggaatgacc aaggatgaag ccgaggattt agtaaaaaag gcagtttcac 180

tggctattgc tcgtgatggg gcaagtgggt ggggtggcg aacagtcata ataaactcag 240  
 agggagt 247

<210> 36508  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888335H1

<400> 36508

ctcgttgata gacgagatgc tggttattac aaatgtgctc cctcactaca tgtaaaagtt 60  
 ggggtctgag tgcattgttag ctattgcaac attgcaggtt caacgtcaca aaaccacta 120  
 atgctaaatt gtcgcgattc ttgtgaatac attatcatga atgcttctgg gtcacctatc 180  
 caccattatg catctttttt tccactcacg tctctccagt ctccactatg ag 232

<210> 36509  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888336H1

<400> 36509

cctttttctt ttctttctca agctgctgta atattgctta cctagctagc taggtaggga 60  
 catctctctc tctttctatc tatctatgga gcttgagac actaccacag tgatggaaac 120  
 gtcgtccggt gaggctgtgg cggcgcatgc cgggtggcgag gtgattatga tggatgcgaa 180  
 ttccggtgaa gaagagaata ataatacataa taataaagga aaattagaag aggggtgggtgg 240  
 agaagaa 247

<210> 36510  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888337H1

<400> 36510

acaaatccta ccatttgtac tcctttccaa aagcctcaga gccttcattc accaaaaacta 60

aatcatgatg aaaaagcaat ctctcttgtc ctctcacta gcattgctag ttccattttt 120  
gtatttcacc accacttttag cccaattatc accagcttct gcccctttca aaccacccca 180  
acctaccctt atagcaccag ctgcagcccc aaaaccattg gttccctcat tgccacagtc 240  
accaagtg 248

<210> 36511  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888338H1

<400> 36511

tatctgagggc ctgtgctgtg ctctgagggg ccatagtttg ggaccctttg aaccctaate 60  
tccacccaaa cccattttcc cgaggaaattg ccttggaataa gaaagagcga agaggaaaat 120  
gcagaatcac aggctgaagc agcagcagca gcagcaacaa caagctctta tgcagcaagc 180  
tctttctcaa caacagttgc tctaccaccc tggcctcctt gctcctcctc agattgaacc 240  
atatccaagt gg 252

<210> 36512  
<211> 251  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888339H1

<400> 36512

tgatgactca gtctgaccaa atcaactacc aaaagaatat ttatatcaca atgatgaaat 60  
gaaagcctgt atagtataac tttcgcagtt aaatttgaat tccatccagc cttaaaatct 120  
cacctacagt agattttcca ttgtagggtga tctgtataca ctgttttgta ttttacaat 180  
cgntgcattt ctcgctatgc ttacaaaatc gtgcatttac ttgtctaaaa aaaaaaaga 240  
aaaaaataaa a 251

<210> 36513  
<211> 248  
<212> DNA

<213> Glycine max  
 <223> Clone ID: 700888340H1  
 <400> 36513

ccaagatcca ggacaaggaa ggtatccctc ctgaccagca ggttgatttt tgctggtaag 60  
 cagctggaag atggtcgcac tcttgctgat tataacatac aaaaggaatc aacacttcac 120  
 ttggtcttga ggctaagggg aggtaacatg attaaagtga agactttaac tgggaaagaa 180  
 attgaaattg acattgaacc aactgatata atcgaccgga tcaaggaacg tgtagaagaa 240  
 aaagaggg 248

<210> 36514  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888341H1  
 <400> 36514

gtgagatctc tctattcctg gaacgtgcgt ttgttcgatt ggaagcatgg ttccattggg 60  
 tcaatacaac tcagtcaggg aaacagatgg gcagctacta ttggcacgga cgggacgata 120  
 ggacaatgcg tgaagtaaata cctaagacac tgtcctctgg tttggatgat tatccacgag 180  
 cttcacaccc aagtgaagat gaacgccact tggatcttag atgttggatg ttacttgcag 240  
 cagactgtat 250

<210> 36515  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888342H1  
 <400> 36515

tgccactcaa atacttctgg aatgaatcat caaatgcttc atcaacttat gggagttag 60  
 cctggaacta accctgtttg ccatttcctt ggaagcaagg ccattttatg ggtacccaat 120  
 ttatctgtgg aactgccta tcagaccaac attgttgctt aattagtcca tgcatttga 180  
 gcaccatgag aatgagattg tgtataaaat aaattatcat gtgctgtgtg ttgtgcaagt 240

acta

244

<210> 36516  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888343H1

<400> 36516

ctctataact ctttctcacc cgctaggttt ccttttcac gcaccttgag tttgcaacct 60  
 cgtcttctga tttccatgga ggggtgctggg atggaagaga ataattatt taatgatgat 120  
 gataataata acaagtctga ggcgcatttg acttctgccc ctgcttttct ggagggtgga 180  
 attcaggacg cttgtgatga tgcttgacgt atatgccttg aagctttctg tgatagtgat 240  
 ccttcc 246

<210> 36517  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888344H1

<400> 36517

gaaccactat gttcaagagt ttaagagaaa gaacaagaag gacataagt ggaacccag 60  
 agcacttaga aggttgagga ctgcttctga gagggccaa agaacattgt catccactgc 120  
 ccagaccacc attgaaattg attctctcta tgagggaatt gatttctact ccactgttac 180  
 tcgtgccaga ttcgaggaac tgaacatgga tctctttagg aagtgtatgg agccggtgga 240  
 gaaatgttt 249

<210> 36518  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888345H1

<400> 36518

gtattctgct tgtttgaggg agcccttgac aatttgggca acttgagaca acaatatgga 60



ttggccaagt caaccaatga agtattgttg gtcattgagg cttacaaagc attgcgtgac 120  
 agagcaccct accctgctaa tcacgttggt ggccatctca gtgggagctt tgctttcata 180  
 gtttttgaca aatctacttc taccctcttt gtggcctctg atcaatatgg taaggtacct 240  
 ctata 245

<210> 36519  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888346H1  
 <400> 36519

tgacgatggt cgaaagctgt gcctggagtg tcttgactca gctatcatgg atactcatga 60  
 atgccaacct ctctatgtcg aaatacaaga gttttatgag ggtttacata tgaagataga 120  
 gcagcaagtt ccgatgcttt tggttgagag acaagcactg aacgaggcta tggagggaga 180  
 gaagaatggt catcatcact tacctgaaac cagaggactt tgcttgtccg aagagcaaac 240  
 tgttccca 248

<210> 36520  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888347H1  
 <400> 36520

gtctcaacaa cccagttgag taactaagat ggcgcaagtg aggaacaagc aagtgttct 60  
 aaaggactat gttaccggtt ttcccaaaga atccgacatg aatattgtcg aaagtaccat 120  
 aacattgaag cttccacaag gttccaatga agtcttgctc aaaaatttgt acttgtcttg 180  
 tgatccgtat atgaggaatc tcatgaacaa gcccgaggc cctcccaata gtcgtgctta 240  
 cactcctggc t 251

<210> 36521  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888348H1

<400> 36521

cattggagtt cggagttggt atgatgaggg caagcgtggt gcagaaactt tgatgtttga 60  
 ttatcatagg cagcatggaa tcgaaatagc cattgcgaga atcttcaaca catatggacc 120  
 acgcatgaat attgatgatg ggcgtgttgt cagtaacttc attgctcaag caattcgtgg 180  
 tgaacccttg actgtccaag ttccaggaac tcaaactcgc agtttctgct atgtctctga 240  
 catggttgat g 251

<210> 36522

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700888349H1

<400> 36522

attccattca tcaggagttg aattgaattc gtgatgaaga gggaccacaa agatagctgc 60  
 ggcggggcgg cgccgcggag ggactgtgaa gggtgagtgt tcctcaatgc agtcaaacgg 120  
 gaaggcgaag atgtgggagg aagagcaaca gcagcagcag cagcaacaac agcaacaaca 180  
 acaacagggg atggacgagt tgctggcggc gttggggtac aagggtcgtg cttccgacat 240  
 gg 242

<210> 36523

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888350H1

<400> 36523

ctcgagccga atcggctcga gaggaattga cggaggcatt cgaactcggg gaagatggta 60  
 cgctatgtgg tttcatcaga gccaggtggg ggggaagggt cttcctaccg aatccgatga 120  
 gcattcctaag atctaccgca tgaaactctg ggcaactaac gaggtccgtg ccaaattcaa 180  
 gttctggtat tttttgagaa aattgaagaa ggttaagaaa agcaatgggc aagtgctagc 240  
 cataaat 247

<210> 36524  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888351H1

<400> 36524

attcattctc atctttctct cttctctctc cacccaaacc ctaactcccg accctgttcc 60  
 cctctcgtat ccgtcatgaa aggaggaaag tccaagaccg aatctaagag agccgatccc 120  
 aaacttgctg tgaataagaa gggagccgcc accaaggcta ggaaaccgcg cggcaagggg 180  
 aaggcagcga aagaccctaa caagccaaag aggcctccaa gtgctttctt cgttttcatg 240  
 gaggag 246

<210> 36525  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888322H1

<400> 36525

ctcaaatttc tcagtctccg gaactcggtt ctaccttcac ttcgcacatc tcgaaccctc 60  
 tctttccggc aactagggtta aagttcatca atggcaggtc gtggcaaaac ctaggatcc 120  
 agcgccgcca agaaggccac ctcaaggagc agcaaagccg gcctccaatt ccccgtcggc 180  
 cgtatcgccc gtttcctcaa ggccggaaaa tacgccgagc gcgtcggcgc cggtgctccc 240  
 gtttacctcg 250

<210> 36526  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888292H1

<400> 36526

ttctaattca ccgaccaact gcaaaggaga ctgctgtagc tgctaagttc aaaacaaaag 60  
 gtggttctca ggtgaggcaa tactgtgaca tactgacaaa agaggattgt cgacgtcaat 120

ctggtccttt atagcatgtg aaaaggttca ttttagacgg atcattgcac ctcatactga 180  
catcaattta ggagattggt cttttcttga tacctgccga cacatgaaga catgcaagta 240  
tgtgc 245

<210> 36527  
<211> 243  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888293H1  
<400> 36527

ctacaatcta agacacacag gccctgatga tgtttacatt aaagttcact actgtggaat 60  
ttgccattct gatctccacc agattaataaa tgatcttggc atgtccaact atcccatggg 120  
cccagacatg aagtgggttg tgaggtactg gaggtgggat caaacgtag caggttcaga 180  
gtgggagagt tgggtgggagt tggactcctc gtaggttgct gcaaaaactg ccagccatgc 240  
caa 243

<210> 36528  
<211> 245  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888294H1  
<400> 36528

ggagagcaaa tctaattcca tcattgatca tcttcttcga gattgtgatt tagttggaag 60  
gtttctccag gcagataaac attgtattct ttcagtggaa agcagtcagc acacagtacc 120  
tgctgtggaa aacggggaac acgtgtagga aacattggac atattactcg aattttcaat 180  
aaacttggtc acttggctcg taaccaaagc cacattctgg catgtctcca ggagaatagc 240  
gagtg 245

<210> 36529  
<211> 235  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888295H1

<400> 36529

gtgcagaaga agggcaagat agtggcagag ctccaagctg tgaagcaca cagtggcaag 60

gcctacaatc agttaacgga ggagactgga ctaccaacg gctaagggtgc tcaacttctc 120

aagggacagg tcaactccat tcccaaaatg gccctccaat tcggggaacg gtggccggac 180

ttgcccaaga acctggttcc gagattgtta agacccctt tgaggcctaa tgacc 235

<210> 36530

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888296H1

<400> 36530

ggccttttcc ctctctttct ctggaaaatt cccccgattt tctcgagaaa gtgaaacgga 60

attatgagct ttcaggacat cgaggctggg cggcccttca gttcgaggcg cgggttgatg 120

aacgggagca agacccgacg caagcgggtg ctgccggaat attccagatc aacaccgccc 180

tctccacctt ccagagactc gtcaacaccc tcggaacccc caaagacacc ccgacctccg 240

cgaaa 245

<210> 36531

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888301H1

<400> 36531

atttcctcca catcctccca tgaagcctcc gacgaccgac ccgaacttgt agggcatcgt 60

gacgatgtat ttggcttccg gcagcgcgga ggggaaccaa cgacggcagc agtgctgttg 120

ctggggaaga gaatgatgtt cgcagacgcc gcagtgttct ggggtgctgtg tgctatagac 180

cccaatactt tttttctcga atgccattgt tcctagtttc attgaacata agtgaggatt 240

ttgttggtg ataa 254

<210> 36532

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888302H1

<400> 36532

gttcctatga caaggcttcg gaaacgagtt gctacacggc tgaaagattc ccaaaacaca 60  
 tttgctatgc tgactacctt caatgaagtt gatatgacta atttgatgaa gctccgttct 120  
 gattataagg atgcttttgt tgaaaagcat ggagtc aaat tggggcttat gtctggcttt 180  
 gtcaaagctg ctgtcaatgc actccaacat cagccgattg tcaatgcagt cattgatggg 240  
 gatgatatta ta 252

<210> 36533

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888303H1

<400> 36533

aacaaaacca ctcttctga gccttgttct gttccggaac catctccaac aacacaaaag 60  
 aaaaagctgt tggatctttt tcgcgaaagt gtcagagaaa accaaagtga tgatgctgag 120  
 aacactttcg gcaacgaaaa gaaagaagtg aaaccaacaa tggtagatga tcttattcct 180  
 aaatctgcac acagtactcc ttatgtctcg ggaggaaatt ctgcatgtag cagtgaaga 240  
 acaatgaatg at 252

<210> 36534

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888304H1

<400> 36534

actttgacta atgaaaagga agttgatgcc catccattc gagctatgaa gttttctgtc 60  
 tcacctgttg ttcgtgttgc tgttcaatgt aaggttgcag cagatcttcc caagcttggt 120  
 gaaggtctta agcggttggc caagtcagat cctatggttg tttgtaccat tgaggagtct 180  
 ggtgaacaca ttgttgctgg tgcaggagag cttcatcttg agatctgttt gaaggacttg 240

c

241

<210> 36535  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888305H1

<400> 36535

gatttctggg tgtggcggct aaagtttgtg agtgcctctt gccaccaagc ccgcactgtg 60  
tctgtgttgg atcttcaact tgaatggcac gttccttatg cctatccctt ccaaatactt 120  
ccggaacctt gtctgatttc aacaaactat actcttcctc tcattctcac catttaccaa 180  
aaccgaacct gcaatttaac tctagctggg gccagaggt gcggcccgtg acggcggccc 240  
atttgggta 249

<210> 36536  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888306H1

<400> 36536

gagagagggg gaaaggggtg gagaatggag agcaaagagg aagatgtaag ggttggagca 60  
actaagttct cagaaaggca accaattggg acagcagctc agggtgacaa ggactacaaa 120  
gaaccacccc cagcaccttt gtttgagcct ggtgagctaa agtcatggtc cttctacaga 180  
gctggaattg ctgagtttgt ggccactttc ttgttcctct acattaccat cttaactgtc 240  
atgggtgtca a 251

<210> 36537  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888307H1

<400> 36537

aacgacgacg ttgtatagca gtccttcttc ttctttctgt gttgacgggt gcgttgatct 60

gattggaatt caggatcaat ggcaggggca gcctctgctc tggttctctc cgacatcaaa 120  
ggcgcgtcc tcatctggcg cgactaccgc ggcgacgtct ccgcccctga cgccgaacgc 180  
ttcttcacca aactcatcga aaaacaggcc gatccgcaag ctcaagatcc ggttgtgcac 240  
gacaacggcg tga 253

<210> 36538  
<211> 258  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888308H1  
<400> 36538

cttccatgcc ttctcttttc aagagatctt tcttcttct cctgcctcct ccttcatctc 60  
cacaactctt aaaaaccctc ctcatcgatc caacacagca gcaacctcac tgaatctaca 120  
aacagtaaca aagattatta ctogtagatc caataacagt aataaacact cagtttcttc 180  
tcttaacaga tcatgaattc ctttcaagaa tttgactcat caaacacgga cagtaacagt 240  
accaaagcca tcatcaac 258

<210> 36539  
<211> 252  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888310H1  
<400> 36539

cggatctttt ctctttaagc tcaccaaagc ttgatgagaa gccactcttc cctttgcttc 60  
ctactaaaga cgggatttgc tcgtcggggc agaaagctgt tgtttctggc aacaaaagag 120  
gttttctgta taccatggat gggttttctc aggggaagtt tgctggtaat acagggatga 180  
acgcggtgct atcacctaga ccttctggag ctcaaccttc tgctatgaaa gaaacaccaa 240  
gcaaattgtc ag 252

<210> 36540  
<211> 254  
<212> DNA  
<213> Glycine max



<223> Clone ID: 700888311H1

<400> 36540

tctcgagcgc tcgagccgct tagtcagaaa acatagacca tgtcgaattt gagtttccac 60  
tcaatttcac agtagcagcc ctttggggca ctctcttct caacccaaaa gtccaacccc 120  
aaacagcaac aacttcaa at catcaaaaca tacatcaa at gtaggggtgca atattcaacc 180  
aaaatcggag gaaatgaa at tgggtgttca caagtttgac accaacaag atggcaagat 240  
tacccttgaa gagt 254

<210> 36541

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888312H1

<400> 36541

aaggaagcta gtattggttt tgggtgcaatc ttagaaatg ataaagggtca attattagct 60  
gcaacatcga ataagctgga aatatgtgtg gacctattca taatcatatt gccatgggat 120  
cttgaagctg aactgatga tttgttgctt gctcttaacg cccaatacca ttgaatatcg 180  
accaattggt gcgaagaaga gatcctcagc ctcaacctct gaaattgaca agcttttaaa 240  
gacagtgaag 250

<210> 36542

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888313H1

<400> 36542

agcaaagcgt gtttgggtac gggggaaagc aagggtgat ttgaagagaa gagtctagaa 60  
acaacacaac acaacgcgaa tggctacggc gctggagaag aaagcgaagg aggcattctt 120  
cgacgacgaa ttcgggtctg cgcgcgatct ctactctgaa gccatacgat tggatccgaa 180  
cgacgccaat ctcttcgagg acagagccca agcccatatc aaactcaacg ctttcaactga 240  
agccgtttcc gatg 254

<210> 36543  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888314H1

<400> 36543

tggctaatacc ctcactcttg ttcttcagtc tcctcctatt atccgccacc gtagccgccg 60  
 ccgaacggat cgacgatgaa gacgaccttc tgatccgtca agtggtgccg gatgcggagg 120  
 accaccacct gctcaacgag gagcaccact tctccgcctt caagacaaag ttcggcaaga 180  
 cctacgccac gcaggaggag cagcaccacc gcttccgtat cttcaagaac aacttgctcc 240  
 gcgccaagtc aca 253

<210> 36544  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888315H1

<400> 36544

ctctttctct ctttctagtt cgtgttcttc gtcgcaaadc cgcagtagga tctctcttgt 60  
 tttttctcta ggtttttcgc gatggcgctc aagcgaattt tgaaggagct taaggatttg 120  
 cagaaggatc ctccaacatc ttgcagtgcc ggtcctgttc atgaagatat gtttcattgg 180  
 caagctacaa ttatgggtcc tccagacagt ccctatgctg gaggtgtttt cctagtgact 240  
 attcatttcc ctcc 254

<210> 36545  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888316H1

<400> 36545

ataggcgaga caaaacatag ttttgtaagt aatttttagtt caattttaat caatgaacgg 60  
 tactaaacat gcttataaaa ctgaatttaa gttttgtgtt tattataatt attgttggtta 120

agcaggtggc aagtgatggt tagttgaaga cgattgttga caccttctca tcctcctctt 180  
 aagaagaagc aaaagaagaa gaatagtctt tcttgtgcct gagtcaccta gttat 235

<210> 36546  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888317H1

<400> 36546

aggctcgagt gaacagtctg cctggatcca gttactgctt gttttggtat gatttcaggt 60  
 aacatgtgga tctcatggaa ttctgggcag ggagatgctg aatgaaacca agctgaagga 120  
 ccttcttcat ggatcagaat atgttcttac atatgaggac agagagggcg attggatgct 180  
 tgtgggtgat gttccctggg agatgtttat tgaaacatgc aagaggctga ggatcatgaa 240  
 gagttctgat g 251

<210> 36547  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888318H1

<400> 36547

tcagaatggg cagacaacaa tatggatgct tacacagctg ctgctattaa agttggccct 60  
 tgcagcctat caggatcctg tggttgaaac tttggcggtc aagttatact ccccttagca 120  
 cacacaattg agcatgagga gtttttggaa gtcattaaat tggaaggaat agctcattct 180  
 cctgaagaca caataatgcc cagagaaatg tttcttttgc aactctgcag tggaatggat 240  
 gagaatgct 249

<210> 36548  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888319H1

<400> 36548

cccttttcag ctttcattgg tgtggcctag ctgttttctc aatgagaaag ccttcatctc 60  
 tgcaaagcgc acttttgcgc tttgggggttc ccttggtgct tgttatcacc ttctgttatg 120  
 ctacttctac tgctgcagca acaactcaag tttcagggaa tgaagagctg ccaaagacaa 180  
 acctaaatgg gcattgctgaa gaagcaaaat tcggattttt tcatcataaa ccaatattca 240  
 agaaacata 249

<210> 36549  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888320H1

<400> 36549

cagcaccacc ttggtacatc ttggcaatga taggattgca gatgctgggg cagccgagga 60  
 tgattatgct gtccttctg gtggaagtgg tgctggccc aagattgagg aagtggacta 120  
 aatgtgtagt tgctttcatc catttatctg tttaaaactt atttgatgct tttttattga 180  
 attttaactt ttatgatttt tgttgatgg gatactaatt gttttgccc tgatgatga 240  
 acgttgctt 249

<210> 36550  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888321H1

<400> 36550

gctgagatta agatgtatag gaatgagatt gcactactac aagaagataa gaaagctttg 60  
 gaacgactca caaagtcaaa agaggcagca ttgcttgaag cagagaagat ttttaagaagt 120  
 gcactagaga gagttttaat agttgaggaa gttcaaatg aaaattttga cttgaagaga 180  
 cagattgaaa tctgccagga agagaacaaa atcttagaga aaacacatcg ccaaagatt 240  
 ttggaagtgtg 250

<210> 36551  
 <211> 247  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700888291H1

<400> 36551

ccatttttgt atttcgtgca tcgaaacttt ccagaagatg gtggtgatag agcaggaaga 60  
gagcgagcat cgaaacgcga acccctccaa cgacgcttcc gacggcttcg aaaccgccag 120  
cgacacgatc tcgccagtga cggcgacgac ggtggagccg gcagcccgga agaacagaat 180  
cacatcgaac agagtcatac cgaacagaat cacaccgaac agagtcacac cgagaaacac 240  
cagcagc 247

<210> 36552

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700888259H1

<400> 36552

atcgaagaag aagatggctt caggtgttcc tgctcttccg ttgacatacg tggctcacgt 60  
tctggcagtt gttgccagcg tcttggtcgt ggtctgggtc gtcaatttca ggggtggctt 120  
ggcttgggat ctgataacaa gtccctcatc ttcaacattc atccagttct tattgttatt 180  
ggcttactag ttcattggggg tgaagctatt ataagttaca aagcttttcc cctaaagaag 240  
gaagtgaag 249

<210> 36553

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888261H1

<400> 36553

gtcagattgt ttcaaaatct tctagaagat ctgtctgaag ttgtttcaaa atccccaaaa 60  
taaccttact gagtgggtgt agtggggcca ttttgggaat tttaattattg tatcaagtat 120  
caacatcaag aacaaaaaac ccctcgaccc ttcattctcc tcaattgtgc atgacagcct 180  
cttgctttca ctgaggtaca gtcccttaat tttttggaat tttcactttt agtcttcaat 240

aattttt

247

<210> 36554  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888262H1  
  
 <400> 36554

gtaacttctg gagaggggtct ctatgaggggt ttggactggc tttctaaca cattgccagc 60  
 aaagcatgag acatttgaaa aattttgggtc ttgtctgggtg atttcatgcg agtctggcgg 120  
 ttcttggaga agatgcttat cttttctagc gaatgttgta atagcagaat gcttgctaga 180  
 agtattctct tttgtgtaac ttgggtttgt atgattgctt aaattagcta atacttgtag 240  
 ctataat 247

<210> 36555  
 <211> 234  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888263H1  
  
 <400> 36555

ctaaatttgg agctgaggct tatcattttt acgggtgtggg tgcttcctcg gatttgaggg 60  
 gtgtggggaa gaggtcctca gagtgggatt tgaatgattg gagatgggat ggtgatctgt 120  
 tcatcgctac cggctgaatc cggtgccggc cgatgggtgtt ggagtgggac agcaattttt 180  
 ccctattggg tccgggatcc cggtgccggg aggccactcc aacagttctt ccac 234

<210> 36556  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888264H1  
  
 <400> 36556

ggcaagttgc ttctcaaagg gctgttgggg gtcttacaca tggcaagcca aagggctctgc 60  
 tgggatctat gtctcttcat tagcattctc gatggattaa actctgggat gatcgcacat 120

tgtaatagcc caagctgagg aatctctgct tgttgagtca gtcattgagat ggaatcttgc 180  
tcttgagtct ggcaattatt ggtgcactgt tgacgtctat aaccgtgaga atg 233

<210> 36557  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888265H1

<400> 36557

attattatta agatgatcaa cattattgga gcacttggtc tactctttgc atttctcttc 60  
ctcagttgtg tgtatgcaca agacacaaca acccttggtc ctgcaatcat aacttttggt 120  
gattctgctt ggatgtaggg aacaatgact atcttccac ccttttcaag gctgattacc 180  
ctccttatgg gagggacttt gttaaccacc aacctactgg gaggttttgc aatggcaaata 240  
tagctactg 249

<210> 36558  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888266H1

<400> 36558

tgcagataag caagctgctt gggatacagg tgctacgaaa gtcaagaatc gtaaggtgcc 60  
agcacatcgt aggaccaaag taagaggggc cctcttacat gatagtgatg aatgagtttt 120  
aactcagtct ctttcaaacc agttgctcag tagaaagtga aaggataagc aatgaaagta 180  
gcattccatt gaatttcaga tatttttgct gggcttggtg gatagggaca tgtgatggga 240  
gactgagg 248

<210> 36559  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888267H1

<400> 36559

gtgcaagata tgaaggattt taccatttaa agagatcaac ttgttaggta tatggagaag 60  
 aaagagatgg ctgtgaaaac tgaggatgcg gttgggtcct cttctttccc ttgttataat 120  
 tattcaatct ttatccattc tcgaacgcgt ttgattttctc tgaggttgaa aagagctctt 180  
 tagggtttat ggagttactg ggtgtgcagg actatagtcc tctgcttgag ttgcctcaac 240  
 tttca 245

<210> 36560  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888268H1

<400> 36560

ctcgagccgt tttgacgcaa cacactttca ctgagaaagg atctctatct accaaggagc 60  
 agaataaaac ctttctctct ggtaagtga taagagaatg gcttcagatc ggaaacttca 120  
 cactttcgag aggtggcaaa gcacgaccag accaaggatt gctgggtcat catttctggc 180  
 aaggtgtatg atgtcacccc tttcatggag gatcatcccg gaggtgatga ggttttgtta 240  
 tctgcaacag 250

<210> 36561  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888269H1

<400> 36561

gtagaacaat gctgggacaa agttgttttg tgtgtcgggg catgtgaaca agccttgac 60  
 tgttgaggag gaaatgagta ttccactgaa ggagttgata gagaggcact gtggaggtat 120  
 tcgaggagat gggataattt acttgacgtg attccgggag gatcatctgt tcctctgatt 180  
 ccaaagcatg tatgtgatga tatctttatg gattatgatg cattaaaggc tgttgggaca 240  
 gggttg 246

<210> 36562  
 <211> 247  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700888270H1

<400> 36562

cgacaccgac gtcggtatcg tcggagccgg ctccgcgagg ctctcctgtg cgtacgagat 60  
cagcaagaac cccgccgtga gcgtcgccat aatcgagcag tccgtgagcc ccggcgggcg 120  
cgcggtggtcg gcggacaact cttctccgcc atggtgggttc gcaagccggc gcacctcttc 180  
ctggacgagc tcggcggtggc gtacgacgag caagaggact acgttgtgat aaagcacgcg 240  
gctttgt 247

<210> 36563

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 700888271H1

<400> 36563

cgtgtttttt ttcaagtgtt cttgttttaa gcgtgtcttt tttcaagtgt tcttgtatgt 60  
catgtctgtt atgttcaatt tctcccttga acttgtttgc tgttctgggt taggtgctgc 120  
tttttatgtt ttaatatgat gtattgagct cgtttcgcca aaagaattaa atatcaatat 180  
cgtatcatag tt 192

<210> 36564

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888272H1

<400> 36564

gtgaaccaca acggaccggg ttttctagac cggttcactg aagccttgca ttactattcc 60  
agtcttttcg actcgcttga gggttcgtct tcttcttcga ccgggttggg ctgcccagat 120  
caggatcttt gatgtccgag ttgtaccttg ggagacagat ttgcaacgtg gtggcttacg 180  
agggcccga ccgggtcgag cggcacgaga ctttgactca gtggaggggg agattggact 240  
cggccgg 247

<210> 36565  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888273H1

<400> 36565

gtaagacttt gtaattgagg tgctgcaatg gcttcaagtc aggaagaggt gactcttttg 60  
 ggagtaattg gaagcccatt tgcttcagg gtgaagattg cccttaagtt gaagggagtt 120  
 gaatacaata tgtggaagaa aatttggcca acaagagtga tttgcttctc aaatccaacc 180  
 cagttcacaa gaaagttcca gtttttattc acaatgagaa gcccatagca gagtctcttg 240  
 tgattgtt 248

<210> 36566  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888275H1

<400> 36566

gttgatacg attaagggtt ccattcttaa tccgtgcata tggaagaaca tctgccaatg 60  
 gcttaaattg atgtcagtat ttcaagaaat taatctctga ttctgaatca aggatacctt 120  
 taacttttaa atcattttct gtaccatgta agtttatata ttattgtgtt ttcaaaaggt 180  
 tagttgcaaa gttgactttg ccttttttca ggtaaatggt ggatatgatt octataagag 240  
 tttata 246

<210> 36567  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888278H1

<400> 36567

gtggcaaaat aaaaacagtg tttaatatct attttagcag cggctcttgc agccaacagc 60  
 ttcttcaaca gtcagaaaga ctctgccacc gattttgccg acaaagttgg acacctttag 120

cttgtgtaca cttgccacct agagtctgca atggctaact gttttccttg tgaagacaaa 180  
 ctcttatgca gttcctctag agcagtaatt ccagagggtgt caatgttcac caaattggag 240  
 gtgtcaag 248

<210> 36568  
 <211> 169  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888279H1  
 <400> 36568

cttgttctct tcatttcaag tttcaacctt aatccttcg aaccaccaca taactactcc 60  
 aacactctct tcttcttctc tctccgctgg ttcaattgaa cctcacaaa ccctctatct 120  
 ctctctctaa tctgttcaaa tcccgaatca tttccgctcc aatttcaat 169

<210> 36569  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888280H1  
 <400> 36569

atcaaattga cgagtttttg ttactgggctg ctgttccgtt ccccaaagac gttcctcact 60  
 tgaagaagct tgggtgtgggt ggtgtgatta ctctcaatga gccctacgaa accttggtgc 120  
 catcgtcttg tatcatgctc acgggattga tcatttggtg attcccacca gggattatct 180  
 ctttgcccc tcattcgtgg atattaaccg ggctgtgcag ttcattcatc agaatgcaac 240  
 ttgc 244

<210> 36570  
 <211> 217  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888282H1  
 <400> 36570

cttgagcctg cttctaattg tgcacacctg tgatgttgtg tttgggggat gatgatatca 60

gcatacttgg acctagctca tgccatggcc acggccaggg tgtttgatat cgatctgcca 120  
 cctacaccga cgccgtacat agtatccatc gatccactca ccgcgatcta tgtcccttat 180  
 tgcatagctg gcaaccaagg agaccgagtc aataacg 217

<210> 36571  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888283H1  
 <400> 36571

cttgtggtta gtgaagaatt tttttatcgg tatcaaatga ccacagaaaa attaattaag 60  
 caacacacac ttcaatttat cagcatggcc tccgttcagt gccacaaaac ctgcaaagtg 120  
 agctgtcaca ggaaaaccag cacgcctcgt ttgggcagaa agtttctgac ttgttcaaag 180  
 ggcatcaaca taatgaccac agtccaatt atgccacca aaccaaagtg ctttcccagt 240  
 cagggtc 247

<210> 36572  
 <211> 232  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888284H1  
 <400> 36572

tttgtatggt cttgatttag agttaagggg gaatgctaga ggcccttgta tactaaaatt 60  
 ggactttgta tataacaatg ttgatagcat gcagggttatt aattcaatta aagtcaaaaa 120  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaga 180  
 agtaaataaa aaaaataaaa aagcaaagat aagaggggtg cactgtaagt gc 232

<210> 36573  
 <211> 192  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888285H1  
 <400> 36573

cctgtttccc cttctgaaat cgacgatatc aagtacaccc gcgccaccaa catcaccagc 60  
 agcttaagtc ttaatttcag aaccaccgcg accgccgccc cgcttgatgc gggaagacgg 120  
 tgggaggtgg ctcaaggaca ggaaggagaa gaagaaagag gagaccaggg cgcaaatgc 180  
 tcagctccac ac 192

<210> 36574  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888287H1  
 <400> 36574

gttgaagaa gaagaagggg agatgaactt gagatggatg gaagcgggtgc tgccgctggg 60  
 aatcatagcg ggaatgctct gcgtcatggg aaacgctcag tattacattc acaaaccg 120  
 gcatgcagac ctaagcacat cggaacgat atgtgggacg tggccatgga acgaaggac 180  
 aagaagcttg tcgagcaagc ctctccctcc aattaacatc gttgttttgc caatgacatt 240  
 gtg 243

<210> 36575  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888288H1  
 <400> 36575

gtttgttgtt gtaactcggt cttcttcttt tgttgttctg tgtttgtgtt tgtttttct 60  
 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaagctcc tgcaagtgcg 120  
 gcaacgctgc ggaggctgca agatgtaccc agacttgagc tacactgagt caaccacgac 180  
 cgagaccttg gtcatgggag tggcacctgt taaggctcaa tttgaggggtg ctgaaatggg 240  
 tgtg 244

<210> 36576  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888289H1

<400> 36576

cgtaaagcat ggccttggtg gtggagaaaa ccacgagtgg tcgaggtac aaggtcaagg 60  
acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgagggt gagatgcccg 120  
gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg gcccgcatca 180  
ccggctccct ccacatgacc atccagaccg ccgttctcat tgagaccctc accgcccttg 240  
gcgcc 245

<210> 36577

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700888290H1

<400> 36577

tttggaagat atgctgaaaa agcatgtaga cttaacaaca gctgtgaaga aattttaggg 60  
cttttaggtg atatcatcct aaaaggattt ccaaaaggga agaattgattg gtttgcaacc 120  
tgtgccgact catttggaat ttgtactcga agtggtcaga tcggaaaagt tgacttaagg 180  
ttagttgggt tggatgttgt gtctagttct agatcgca 219

<210> 36578

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700888258H1

<400> 36578

gtgcaatata tgctagattt gaacacttac agagatcaac ttgtcaggta tatggagcag 60  
tcacagatgg ctgtgattac tgaggatgag gttgggtcct catctttccc gtattataac 120  
tagtcaaacc atttccattc tcgaacgcgt catgatttct ctgaggetga aaagatctct 180  
ttagggttga tggagttact gtgagtgcag gactatagtc cactgcttga gttacctc 238

<210> 36579

<211> 179

<212> DNA



<211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888228H1

<400> 36582

cacactttgc ggaaatgaga cagcagatga aagcactgct tttggtacag ttggacggca 60  
 agctctgatg gatctacaaa tagcaacacc aaaaattcat ggctactttg cagctaccaa 120  
 gacacaagtg gctgtggtac gatctatgcc tttgctcaat gtgttgaaac tctcacgcaa 180  
 gaaacctgtt cggactgttt gtcaattgca cagagtggca tacacgattg tcttccaaag 240  
 acaaatgggc ggg 253

<210> 36583  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888230H1

<400> 36583

gccttctttc atgactagag tggccatgag aatatctaga tcaagatggc tcaactttctt 60  
 gagaagagta ttccattacc aaaacggacc aagatccaat ctgggctcca accctttcaa 120  
 ttccagcact tggagatgct ggagttgatt gcgttggttg tctaaatagt aagcacaaca 180  
 ttcactttgg ccatttcgac gagtgtgaag ccaatttggc ctatgagagt gtggatagca 240  
 ggttatgata ttgg 254

<210> 36584  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888232H1

<400> 36584

gtggtgttag atctgtaccc gcctagccat tgatttgga aagtccaagc ttcaaagatg 60  
 agtaagcttc agagtgatgc tcttagagaa gctatctcag gaatcatgac tgattccaag 120  
 gaaaagaaca ggcaattgtg gagaccattg aactccaaat tgggctgaaa aactatgatc 180





ctttcttctt tggagcctcc gacatagctg ccctacgtcg cttgggtccc cactaccata 60  
 gaaaatgcac cagtttcgat ctcatcacgg catgcttctg gcgctgtcgc acaaaagcat 120  
 tggagataga tgagacgagg atgttcgcat gatggtcata gtcaacgcac gtgctaggtt 180  
 taatcctcca ttacctgctg gttactacgg caatgccttt gcataccccg cggcagttac 240  
 caccgcaggg aa 252

<210> 36588  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888239H1

<400> 36588

gtatactctt actctgattc gttagtgaag aaaaatggca acaatcatcg ccggcacccc 60  
 aactacatca atcactcgca caggatcatgt gctcaaacga cctggtgggg cctcatcctc 120  
 taccgttctt ggttgccagc aatggccaag gcggggagag tgaggtgctc catggaggca 180  
 aagccttcaa gcagctcaaa cctagggatg ggggcatcag tgtagcagc tgcagctgcc 240  
 gcaaccatgt c 251

<210> 36589  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888240H1

<400> 36589

gtacgaggaa tatatgtgaa gcatttcaaa aacattccaa tggctgatat ggaaatagtt 60  
 cttccagaaa agaaaaaccc tggattaact ccaatggatt gggtaagtt tcttgatca 120  
 gctgtagttg gttggttgct gtagttagtt cacttgaaat gccttcagct gattggtggg 180  
 tcatcattgc tggtgtctcc acagtaattg gttatattgc taagacttac ttcacgttcc 240  
 aacaaaaca 249

<210> 36590  
 <211> 247  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700888241H1

<400> 36590

agtaagactt tgtgattgat gtgctgcaat ggcgtcaagt caggaagagg tgactctttt 60  
 gggagtaatt ggaagcccat ttgcttgcaag ggtgaagatt gcccttaagt tgaagggagt 120  
 tgaatacaat atgtggaaga aaatttggcc aacaagagtg atttgcttct caaatccaac 180  
 ccagttcaca agaaagttcc agtttttatt cacaatgaga agcccatagc agagtctctt 240  
 gtgattg 247

<210> 36591

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700888242H1

<400> 36591

gttaattact ttgtgactgc ttcacttgat ggctcttggt gcttttatga actttcttca 60  
 gggacgtgtt tgactcaggt ttatgacact tcaggttctt cggaagggtta cacatctgcg 120  
 gcttttcatt cgatgggtctc attcttgga cggcaccac agaattctctt gtcaagattt 180  
 gggatgtaaa aagtcaggca aatgttgcta ggtttgacgg acatgctggg ccagtaactg 240  
 ccatatct 248

<210> 36592

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888243H1

<400> 36592

cacgcgcttc cattttcaaa ggactctccg ccgcccacac ccaaggaggc tcatttccgg 60  
 ggtgtccgca agcgtccctg gggccgcttt gccgtgaga tccgtgaccc ctggaaaaag 120  
 acccgaaagt ggtcggcacc tttgacactg ccgaggaagc cgccagggtt tatgacgccg 180  
 ccgccagaac actccgtggg cccaaggcca agaccaactt ctctacatc cttgctcccg 240

ctttccacct cc

252

<210> 36593  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888244H1

<400> 36593

gcattgcttc gcctcacaac agcagctgca gcagcaatgg ctcccaaacg aggtggaaag 60  
 gctccggctc ttgccgctaa gaagaagcct gagaagggtca cgaatccgtt gttcgagaag 120  
 cgtccgaagc agtcggaatc ggagggggcgt tgcctccgaa gagagacttg actaggttcg 180  
 tgaagtggcc aaagaatggtt caaatcaga ggaagaagag gattctgaag cagaggttga 240  
 aggttcccc ag 252

<210> 36594  
 <211> 204  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888246H1

<400> 36594

ccgcaaactc actgcaatga ccaagttggt gatggaggag aatgatcggt tgcagcagca 60  
 ggtgtcacag cttgtttgtg agaatgggtt tatgaggcag caattgcata ctccatcggc 120  
 aacaactact atgctagttg tgattcggtg gttaccactc ctcagcatac cctgagagat 180  
 gctagtcata ctgctggcct ccta 204

<210> 36595  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888247H1

<400> 36595

ctacaggctt ctccgaaacc atttgtgtga ccggcgctgg tggcttcata gcctcttgga 60  
 tgggtcaaact cctcttgagg aaaggctaca ctgtccgagg aaccctcaga aaccagatg 120

atcccaagaa cggcacttaa aagagtttga aggagcttcc cagagactaa ctctgcataa 180  
 ggttgatctc tctcatcttg actccgtag atctgttatt aacggctgtc atgggtgtctt 240  
 tcacactgct 250

<210> 36596  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888248H1  
 <400> 36596

ctgcatcgtc tttctcaatt gtcgaaagat gagtacaagt ggttaatgag attgaggaac 60  
 ttgcgttctt tgagcgaaac aaagcagaga tgtacctgaa ggagccgcta tggagtgaaa 120  
 cagggaaagg cgtggaagtg caaaaacaga ggattatggg gcagtgagtg aagtcgtgaa 180  
 gtcactgcag caacagaagg tgtatagaga agtcactctc gcgctcagaa cgggactcag 240  
 agacgcgcgt gc 252

<210> 36597  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888249H1  
 <400> 36597

cattctcaac cccgaaccct aagagcagag cgaaaatgac aaccaccttc gcgaccgtcg 60  
 caggactcgg tggcgcatta ctgtcatcca cctcatctcg tctcacctca gggtttgtga 120  
 aatccccagt gatgctagga atcccttgag gcaagctgtg gcaatgggaa atgggaggat 180  
 tacatgcttt gagaggaatt ggctgcgggc agattacagt gtgattgggt ttgggttgat 240  
 tggttg 247

<210> 36598  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888250H1

<400> 36598

ctgttgatgt gtttgtagt acagtggatc ccctcaaaga gccacctctt gttactgcaa 60  
 acaccgtttt gtctatactt tctgttgatt accctgtcga caaagtttcc tgctatgtat 120  
 cagatgatgg tcagctatgt tgacctttga agcactatct gaaacagctg agtttgcgaa 180  
 gaagtgggtg ccccttttgcg aaaagcacaa tattgaacca agagccccag agttttattt 240  
 tgcccag 247

<210> 36599

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888253H1

<400> 36599

gttactgatg tctttggcag ctgcaggagg attcctggct cttttctttg cttttgttac 60  
 agctatatac attggagcat tatcaattgc catatttgct atttcagtta ccacattttg 120  
 ggcaattgtg ctattctgat gatcacaggc tggattggat tcatttacac tgtgtggctg 180  
 gtaactagaa aaagctttgg atttgcttca cactccttgg acgtgaccgg ctctgcaatt 240  
 tcattctt 247

<210> 36600

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888254H1

<400> 36600

ctcattttaa ttctcaaata caagcttggg agacagagac agtgaaagtg cattgacgcc 60  
 attgattctg agctcgatcc gctgagagta ttcgcaaagg gcagcgtgtg ggccgtgaag 120  
 tgctgttact accctatcgt aaggatgtct tcaaggctgc tgtgtggact gctattggct 180  
 ccgtcgatat gggcatcgtc ggttcctccg tcgaggtcat catcataccc tataataaca 240  
 t 241

<210> 36601

<211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888255H1  
  
 <400> 36601  
  
 ctatcacaga tccgcaaaat gatgggtttg ggatgttgaa gcggtggagg attcacaatt 60  
 tgcgatggaa agggaaaatt ggagagaaca catcaatagc aatgggaatt attacgatga 120  
 cgacggagta aacgaagccc tgcaaagcct tcttcgctgt cttcatcgcc tcccagactt 180  
 gcttacatcg atcaccgtgt ttccaaattc gataccttgg ccggtgtcgc tatcaagtac 240  
 ggtgttg 247

<210> 36602  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888256H1  
  
 <400> 36602  
  
 gttctagatc gcgagcggcc gccctttttt tcttttggtg ttccggggtt ttgttttaggt 60  
 ttgctctcac ctgaaaatgt cttgctgcgg tggttaactgt gggtgcggaa gctcctgcaa 120  
 gtgcggcaac gctgcggagg ctgcaagatg taccagact tgagctacac tgagtcaacc 180  
 accgcccga ccttggtcat gggagtggca ctgttaagct caatttgagg tgctgaatgg 240  
 gtg 243

<210> 36603  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888257H1  
  
 <400> 36603  
  
 tgctcttcgt gagattagga tataccagaa gagcactgag ctcctaata ggaagcttcc 60  
 tttccagagg ttggttcgtg aaattgccca ggattacaag actgatctgc gtttccagag 120  
 ccatgctgtg ctgcattgca agaggctgct gaggcatacc ttgttgggct ctttgaggac 180

actaacttgt gtgccattca cgccaagcgt gtgactatta tgcccaagga tattcagctg 240  
gcaaga 246

<210> 36604  
<211> 178  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888223H1  
  
<400> 36604

catttttctt cagcatttat atataaagtg aataatctcc catccctttt agccacgccc 60  
acttgaattt cctcatcgca tcagcatcga acacagcaca tccttcaacg actcaaataa 120  
cagcctctct tcacacgaag cctcccttca gttccttccc tcaactcaca ctctcaat 178

<210> 36605  
<211> 240  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888190H1  
  
<400> 36605

gtaagttttg gaggatctaa tattgatcca acggcttggg cggataagaa gtgccctggt 60  
gaatctcggt tccctgctca ggttcaagtg attactagga aagtttgtga gccactagag 120  
gaagattcct tcagaccaat tcttcacgac tacgacggcc ctaagttccg tcttgagctg 180  
agtgtgcctg aggcactgtc tcttctggat atctctgcaa accagaacag tttcgatgac 240

<210> 36606  
<211> 244  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700888191H1  
  
<400> 36606

atcaaaggca aaggttgtgg ttgcatctgt tgaagataaa ctagagattg tggcatcgcg 60  
caaagttaaa ctggaggcag acatgctcct cgatgaagca accaaacttt catatgacct 120  
tattgtgtta cctggtggac ttggtggtgc ccaaactttt gcaaactcag aaaccttggg 180



gagtttgctg aaaaagcaaa gagaatcaga caaatattac ggagcaattt gtgcatcccc 240  
 ggct 244

<210> 36607  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888192H1  
 <400> 36607

ctttctttta ctagcaccta gctaggactc aattctttgg ttacttacta gtagttcctt 60  
 tttaactatc tttcttcaat ggctgactca gcctcagcct cagcctcttc ttccagaatg 120  
 tgggtgctcca tccccgaaag gtttcagctg catgcggcca tgttggccct gcagtttggc 180  
 tatgccggct tccatgttgt ctcaagagct gcccttaaca tgggcattag caaacttggt 240  
 ttcccag 247

<210> 36608  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888194H1  
 <400> 36608

tttaaaaaaa aattaagaat ttatcagaaa actaaaattg gatgatttta ttaatttaaa 60  
 agatcaaata attcacactg taagacttat ttgatctttt aaattgttaa aatgtacgaa 120  
 taagtcttac agtgtgaatt atcgattcca atattgaaat ttttggatat atacgaaaaa 180  
 atacggacca tctcatcatc tacgttttgc caattgagat agactaatcc tattattcga 240  
 tttgaaccca 250

<210> 36609  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888195H1  
 <400> 36609



<213> Glycine max

<223> Clone ID: 700888202H1

<400> 36612

ggccatacga ttgcactatc actccaattt tgcggataat agagggcaca tcgatcactc 60  
 tgcacgggtc atgcgagtta ttacatggaa cccatccttt aagggaatac ctaatttaat 120  
 gatgggaagg atgattttga ctccgatgag catgagacgc atgccaccat cttggacaag 180  
 ttgttagcgt gggagaagaa actctacgat gaagttaagg ctggtgaact aatg 234

<210> 36613

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700888205H1

<400> 36613

ctcctttacc accattctag atatcagaga actttgcagc tctcttaggt ttttaaaaaa 60  
 caccacgcaa acagcaagat ggccacttcc gacagtaaca tgctactaaa ttatgttcca 120  
 gtttatgtga tgctccactc ggagttgtca atgttgacaa tgtttttgaa gaccagatg 180  
 gccttaaaga acagctcttg cagcttcgag ctgcggtgtg tgacgggggt atggttgatg 240  
 tgtggtgggg gat 253

<210> 36614

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700888206H1

<400> 36614

gtgactcgtt cttcttcgtc gttatcttct tcttttggtg tttgtgtgtt tgttttttct 60  
 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaagcgcc tgcaagtgcg 120  
 gcaacggctg cggagctgca agatgtaccc agacttgagc tacaccgagt caaccaccac 180  
 cgagaccttg gtcatgggag tggcaccagt taatgctcaa ttcgagagtg ctgaaatggg 240  
 tgttcccgct gagaa 255

<210> 36615  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888207H1

<400> 36615

cttttactag ttatagcact tataaccttt ttccacacca cttcagcctc cctcacacca 60  
 atccaagccc cagtttcatc acccccatcc ccgccgcgta ccacaaccac cagcattcac 120  
 accaccatct ccaccagcac tgctccagct ccaggattca acacagtacc cttagtcccc 180  
 gtgacaccaa gtggcgctcc cacacccacc atcccacaag caccctccat tgacatagtc 240  
 caaatcctaa gcaaagc 257

<210> 36616  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888208H1

<400> 36616

ggagaataaa aatgagaaag agacaaacaa tgataacaaa ccaaccagtg aacatgaaag 60  
 gactgaaagt cctgatagaa ggcattgatag aaaaagcaga gagagggacc gagataggga 120  
 gctaaaacga gaaaaagtag agaacttgaa agatatgaaa gagaagcaga gcggggaacgt 180  
 gttcggaaag agagggaaca aagacgaagg gttgaggaga ctgagcgtca gtatgaaaca 240  
 tatttgaagg attggga 257

<210> 36617  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888209H1

<400> 36617

gtttctcttc ctcccttga gaaaaagaag agccaccgct gcgacgccgt tcgtgcattt 60  
 ttgaggtgcc gctgtcatgt ttggcgctgg tggaccaagg aggagtgata actccaaata 120

ttatgatatt ctccgggtttc caaaaatgcc agtgaagatg aaatcaagaa ggcctataga 180  
aaggcggcta tgaagaacca tccagataag ggaggagatc ctgaaaagtt taaggagtta 240  
gtcaagcat atgaag 256

<210> 36618  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888210H1  
<400> 36618

gtgaatggga agaaggatag aatggtaaaa acagaattat gttttataaa tggcaaatgc 60  
ttgattacaa tttgatttga attatgccta agttgatata ttttttccct ctattctttt 120  
ccttttttat tgcttgtaaa gttctagtct agctttttta ctgtagcatt atagttgttg 180  
ggctctgttg aactgtttgg taattgtaag ctgcctttaa tatttcccc cctaaaagaa 240  
cagctttaat aat 253

<210> 36619  
<211> 254  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888211H1  
<400> 36619

gtatggagga gattggcttt aacatctctc acctttatgg cctcacagaa acatattggtc 60  
caggaacttt ctgtgcatgg agacctgagt gggacttggt gccccatgaa gagagatcaa 120  
agatgaaagc aaggcaaggg tgccccatgt ggctttggag gaaattgatg tgcaagatcc 180  
ttccacaatg gaaagtgttc catctgatgg caaaacaatg ggggaggtaa tgtttagagg 240  
gaatacagtg atga 254

<210> 36620  
<211> 256  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700888212H1

<400> 36620

gttgaaagtt tcattaatta tgtcatttac aagctatcaa gaagtggact tcaaaatgtg 60  
 gagggaaaac ggattcatga tttctttctg acactggcaa cctgcaacac cattgtgcct 120  
 cttgttgttg agtgttacac acctgaccct gatgtcaagc tgatagatta ccaaggagaa 180  
 tcaccagatg aacaagcact ggcttattct gctgctgcct atggttttat gctcatagaa 240  
 cgaacctctg gccatt 256

<210> 36621

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888214H1

<400> 36621

agagaatggc tccaagggt ttaacctttc tggctgtgtt aatatgcgtt tcagcactgt 60  
 cactgagtcc ttctgttgcg ggggaagggc aaaataatgg ccttgttatg aacttctaca 120  
 aggaatcatg ccctaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg 180  
 ccacaagaac actgctttct cctggctcag gaacatcttc catgactgtg ctgttcagag 240  
 ttgtgatgct t 251

<210> 36622

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700888215H1

<400> 36622

tttaggtgag gcttaccaag ttctgagtga cccagctcaa agacaagctt atgatgctca 60  
 tggtaaatca ggaatttcaa ctgaagcaat tattgatcct gcagcaatct ttgccatgct 120  
 ttttggtagt gagcttttga ggaatatata ggtcagttag ccatggcatc aatggcttca 180  
 atggacatct ttactgaagg agaacaattt gatagtaaaa agttgcaaga gaaaatgagg 240  
 gttgttcaga aggag 255

<210> 36623

<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888216H1

<400> 36623

taaccctttt cgatccacca cttgagcttg gcctagctag ctttgcttcc cattcctcac 60  
ttaacttcaa tccggttcca atggatcggt tttcttctag taccattctc cccgaagcgt 120  
ttcaaggtgc caaagatact tcacatgca gcttgcatg gtctggaacc aaatcaaagc 180  
gccactcatt gtcccgttgc tgagaataac agtgtttctg tgcttgatca tgcgggtgat 240  
gatgttcacg gaga 254

<210> 36624  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888217H1

<400> 36624

atagtctaca cctaattagc caaacacacc acagcaccaa actagttggc tcaattctct 60  
ttgaatggct ttggaggctt tgaattcacc aacagcagcc accactccct tccgtgggta 120  
ccaagaagag gaggagaggt tgaccttcac ctacgcgagc cttggggcaa gagcaaagcg 180  
tccaaacgac ctcgttttga gtcggaggaa gactacttgg ctctttgcct catcatgctt 240  
gcacaaagcg gt 252

<210> 36625  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888218H1

<400> 36625

agttagttca gttatgggtg cagagattcc tttcaaacac aaaagaacct cagatttttg 60  
ttcctaattg acaacctg cggtgcgtg cagagcacc atttgccatc ttcctccgca 120  
gaagcccaaa accagatcca gaattctcac agcagaagag ctcaacttcc aaataggcgt 180

ttgttcctct tctctctgcc tctctctagt ttccttctcc ttctgttcc aagcttttgg 240  
 gatggtaaca atgca 255

<210> 36626  
 <211> 130  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888219H1  
 <400> 36626

ctctacagag agaaagccac atgcactgtt gacaccatta ccacttcaag gccatatcaa 60  
 cccattgttg agattagcaa agctgcttca tctgagaggc tttcacataa cctttgtcca 120  
 cacaacatac 130

<210> 36627  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888220H1  
 <400> 36627

gagagggcta agaagaagaa gtaggaggaa gaaaaggga aaacgcaaag aaaaaagag 60  
 gaagatagat caagatctcc cttgcgtttg tctcagttga agaaattcaa gagcagaacg 120  
 agactaactc aacggttcag acgtttcagg gtttcagcac ttccattttt tttttttccg 180  
 gatttgagtt ggaagaagat caaagagggt cctagttgct tggattgttc ctctgggtgg 240  
 tggagatttg tg 252

<210> 36628  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888221H1  
 <400> 36628

ggcggcgcca ctgtcgaaga ggtttccgcc gttccgcccc ttgaaatctc tatcaacgat 60  
 tctagccagc tcacgctctc gtttcgcggc caagtctatg tcttcgaocg tgttacacct 120



gataaggttc aagcgtgttg ttgctgttg gaggaatga actaacttcg ggttcgcaat 180  
 gtgcggagct atcatctcaa aatcagactg gtgaggagga atatcctgca aaatgtagtc 240  
 taccacagcg agc 253

<210> 36629  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888222H1  
 <400> 36629

gaccaagcta gtccgaggaa gtcctctatt cagaaccaga tatggagaca aaaccaccg 60  
 agatcagcag cggcaagatg ttcggaggct acaacaagag gttcagacat ttcagcccta 120  
 ccctcggctg ctccagaact tccacatcta cttccctcca tctccttctc cctctcacia 180  
 attcccagtc ttgtactttc tctctggcct cacatgcacg gacgagaact tcattttcaa 240  
 gtcgggtgct caa 253

<210> 36630  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888189H1  
 <400> 36630

gacaaacttg gttctccata caggatttgc attcccagac ttaacaactt tgggtgcaata 60  
 tttgctatta tgatcaatcc acccaacagc aaacacatga cgcttccaaa gtgaggttga 120  
 aagctggagt ccatgtgcag atatcaagca gacctccacc catataatcc ccatagaaag 180  
 tgcaggaaag aaaaaatgag atgttcaagg gatgatgtct ccgataagct tcttttagata 240  
 agg 243

<210> 36631  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888154H1

<400> 36631

```

ttctctctct ctgtctctct ctctctagac ttagattttg tgaatggctg aagtggaaga   60
gggacaggtc atcggcgtcc acaccgttga tgagtggaag ctgcaactcc agaatgcaaa  120
agactccaaa aaactgattg tgggtgattt tactgcttcc tgggtgtggtc catgccgttt  180
tatggcccca gttcttgcag agattgcaaa gaacactcct gaattgatct tcctcaaagt  240
ggatgtgga                                     249

```

<210> 36632

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888155H1

<400> 36632

```

cgagcccacc gtcacgcacg aagtccgttc gtggcactta ccgtcaactc ttccacacag   60
cataccacac cacncgcaag gaagatgccg ccaacaactt tgccagaggc cacctctccg  120
gtggcaaaga gatcgtagat ctgtgcttgg atcgcgtccg aagtctcgca gacaactgca  180
ctgggtctcca gggcttctc gtcttcaacg ctgtcggcgg tggcaccggg tccgggtctcg  240
gatctctctt                                     250

```

<210> 36633

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700888156H1

<400> 36633

```

gtaaaggata gaagtggaga gattgttctt taccatctc catttaattt gggctctgaa   60
aagggttcca cttcagtgcg ccgttggagg gatggtagct tggagaatga ttacctatg  120
atgcagttga aagagttggt caacgtcaat cactttatag ttagtcaggc caatcctcat  180
attgcaccat tattgagatt gaaagaattt gtacgagctt atggaggtaa ttttgcagca  240
aagctt                                     246

```

<210> 36634  
 <211> 83  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888157H1

<400> 36634

gtccagtctc tttccaattc tgcatagaat acacataagt gagtattata aatttggggt 60

aacacttaat aggagcgtta aac 83

<210> 36635  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888158H1

<400> 36635

ctccacttat ctatgctgta atgggaactt ctagagagat agcaattgggt cctgtggcag 60

tggttttctct gctgttatca tcaatgatgg tgaaattagt agaccctgct actgatccag 120

tgggttatac aaagctgatt ttgcctgcta ctctctttgc tggatatcttt cagacttcct 180

ttggactctt caggcttggg ttccttgtgg atttcctatc ccatgctgca atagtaggat 240

ttgtag 246

<210> 36636  
 <211> 85  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888159H1

<400> 36636

ctcgagccgt tactggaagc cttgttgtga gtaagagaaa aggtttcctg caccgagcac 60

accaacttga tacctctgat tctttt 85

<210> 36637  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888160H1

<400> 36637

tctgagacga agccttcgaa tctctctgag acttttctct tctctttgat tcttctctat 60  
gcagttaaac attagaatga gccgttcaca ggatccacac ccttcccgat ctttcttccc 120  
ttttggaaat ccttttcgga tgatagcacc taaaggctct cgcatgtctc cacaacttct 180  
tgcaagtgtg cgagcttttg aggcaacatt ggcagagacg ctgcataatc ttatgcct 238

<210> 36638

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888162H1

<400> 36638

agattgtgga agtaatgacc cggatctgaa ggaggagatg gagaagcagt ttgtggacct 60  
tctcagtgag gagttgaagt tgcaagagtc tgttactgaa gcaaacaccc ggacatgaa 120  
cataactttg gctgaagcaa aaagagtggc ttctcagtac cagagagagg cagataaatg 180  
cattgctgca actgaaacat gcgagcaggc aagagaacgt gctcaggcca tacttaccaa 240  
ggagaaaaag a 251

<210> 36639

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700888163H1

<400> 36639

cttcgcaaaa tccaatctc aatcccgaaa accatttcac tgagccccta cccctccccc 60  
tccctccaac aatgttccga cacccttaaa aaatcaaaac ctcaaaaacc aaaaaacatc 120  
aaaccatgtt ttccttcctt cacaatgtct tctaccat ccttgtcttt ccaatcatta 180  
tttggtgctg ctccgcctcc ttgttgggtc ggagcaatgc gacgacaatc tacgaggtcc 240  
tgagcgagca cgggc 255

<210> 36640

<211> 228

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888164H1  
  
 <400> 36640  
  
 gtgttcctca atctgtaagt caatgcagtc gacccaaga ggctattcat ggtatcagct 60  
 gtgggttacga ggataaaact gattggggaa gtgagatagg atggatttat ggttctgtca 120  
 cagaagatat tcttaccgga ttttaagatgc atgcccgggg ttggcgggtct atatactgca 180  
 tgcctaagcg cccagcgttt aaaggttctg ctcccatcga tctttcgg 228  
  
 <210> 36641  
 <211> 204  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888168H1  
  
 <400> 36641  
  
 cctaaactgg accccaccga tcttgcgcca ccacaacaac cacttgacac tgaatctcgc 60  
 gctcccattt ccgaagatgc tgccactact atgcccatag actccaatcc ctatgtcact 120  
 cctgctcccg tcaactgcttc ttctactaag actacttttag attcggtgaa cgacgttctc 180  
 gggtaatggg ggaagaaagc cgcc 204  
  
 <210> 36642  
 <211> 82  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700888169H1  
  
 <400> 36642  
  
 ctagccaaaa acggggtgtg tcccatttgt gggaagaagg tgggattgga tctcgttgga 60  
 catatgacta cgcaacatgg ga 82  
  
 <210> 36643  
 <211> 72  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

0022ED-CTT560

<223> Clone ID: 700888170H1

<400> 36643

gctactgaag gacctgctcc tattgtatcc acacaacata cgagacggtc nttcagtagc 60

ctcgagccga at 72

<210> 36644

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888171H1

<400> 36644

gttagtttcc ttggaaggag ggtctgagag tgcttggtca ttttgccctcc atatccaggt 60

atggtttact actgtagatg tgtgcccctg gagaagttgt aatgaattcc ataagtagga 120

ccagctcact ggtaccttca cttccttttc attttgattg ctgcagatcc atatgatgac 180

aacttagttg atgcctgtgt taattatttc acccaacccc cataaaggaa atagaaatcg 240

tgtaa 245

<210> 36645

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700888172H1

<400> 36645

gtaaagatag cggcaagtgt tccaaaatga aattaaacca aacccatcat gttatggtgt 60

tattatacga tgcccgcata agcaagcttc aacacaaaag gaagaggcgc tgttgcttga 120

tcccgctagc ttttacgtat tttctcttac gtaacaaccg tgtataagtt accagtgtga 180

ttttcttaca gaactatctt ctgtaaagat ttcaatctgt caaggacttt caccttctat 240

aat 243

<210> 36646

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888173H1

<400> 36646

atacgacaca cacaataaaa agcttttagtt taggatgatc caagtgaggt acaagcaagt 60  
 gggttctaaga gattatgtca ccggattccc taaagaatcc gacatgaaca ttgttgaagg 120  
 caccataata ttgaagggtc cagaagggtc caatgatgtc cttctaaaaa atctctactt 180  
 gtcagtgtgat ccatacatgc gactcctcat ggccaaggac cgttctttcg gagatggctc 240  
 cttca 245

<210> 36647

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700888174H1

<400> 36647

ttaaaagaga actggaaata cgaaacccta aaccatcat cgctcccaga aagttgtatc 60  
 gggttctctt cttaagtttt cttcaccatc tcaagattaa gctttttggg ttcattacag 120  
 gaaaatgttg aaattcttgt cgagagtga aatcgagttc aacgcgttgg aaccgcgaac 180  
 ggcgctgtgt atggagtatc tggcgcaatg caactcgcgg aaggcgtacg agtagcatgc 240  
 ggcg 244

<210> 36648

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700888175H1

<400> 36648

ctacgggtgc gtaatgcgtg ggaatctgcc gaacagttcg ggccaaatcc tgaacaaagc 60  
 tataaagcgc tgtttgat 78

<210> 36649

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888176H1

<400> 36649

gtcaagtgaa agtgagataa aataaaaatc aaagagcata atgtcaggga tcattcacaa 60  
gattggggag acccttcatg tgggagggca caagaaggag gatgagcata aggggtgagca 120  
ccatgctgga gaatacaaag gggagcacca tgggtgaacac agtagtgagt acaaaggaga 180  
gcatcatggt gaacacaaag ctggagagca ccatggtgag cacaagccag agcacaatga 240  
g 241

<210> 36650

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888177H1

<400> 36650

ggaagnngtg ttgagaagggt gttttagacg tccacatttt tcagatttca ttgcggttcc 60  
tcttctctct actcatcatc aatggcgacc cccattcttc cccctcctgc cgccgcccgc 120  
gccgcccgcg ccgacaccaa ggtcgattac ttgaaccttc catgtccgat tcccttcgaa 180  
gagctccatc gcgaagtatg atgtctttga agccagatct ttttgagggc atgcgttttg 240  
atttca 246

<210> 36651

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888178H1

<400> 36651

gtataaaaag acttcctttt ttgcaattgt catttgtcac caaacaattg ttgttagctc 60  
tcacaagcaa gcttcagcaa cgacagtga gaaagtagtc ttacagttgg acttacatgg 120  
tgatagaatc aagcaaaaag ctatgaaaac agcatctggc ctttcagggg ttgaatcagt 180  
ttctgttgat atgaaagaca tgaaaatgat cgtgttgggg gacattgatc cagtgagtgc 240  
agtgtcg 247



<210> 36652  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888179H1

<400> 36652

gtatggcaaa ggcacatcaa atagtgctag ggagcaattg ggggatcaga aacatttttc 60  
 agtctcttgt ggccatctta accactattc tagttgtcgc tgccatttat ctaacacagg 120  
 agggagaaca atggtctaata gaaaggaaca agttacattc attatcaaaa tgtaacttgt 180  
 tttctggcaa gtgggttttt gataatgaat catatccaca caa 223

<210> 36653  
 <211> 85  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888180H1

<400> 36653

gtggcatcga tgcattccct ttcagacgct ctgatgatga tgcctcacc cagaactgga 60  
 attggtcctg ggcagaaatg aagaa 85

<210> 36654  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888182H1

<400> 36654

gtgcttactt atactaattc gttttgcttg gcgccgtttt tattctctca acaaagacgc 60  
 gacaacgggtt acgaggatct agaaacaaaa aagaccggat aacgagagcg gcggctggag 120  
 gcaccgtgcy acgccgttat ctccgtcgag catcagcacc tgttttccat caaccgctga 180  
 attctcgtct gcgttcacct tcaattctca attccgcttc tctgctcagc actcatttga 240  
 ttttcg 246

<210> 36655  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888184H1

<400> 36655

gtcaattttt ctcaggataa gtcattggcgt gttcgttaca tggttgctaa tcaactatat 60  
 gagctatgtg aagctgttgg tcttgacccc accagatcag aattgggtccc tgcataatgtt 120  
 cgtctgctgc gtgataatga ggctgaagta cgtattgctg ctgctgggaa agtaactaag 180  
 ttttcccgca tattaaatcc cgatcttgcg attcagcata ttctaccatg tgtgaaggag 240  
 ttatca 246

<210> 36656  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888153H1

<400> 36656

gttcgggtga tctaggtgtg cttgaagatg gcactcaatt ggctgtaaaa aaattggaag 60  
 gtgttggaaca aggtgcaaaa gagtttaaag cggaagtgtc catagttgga agtattcatc 120  
 atgttcattt ggtaagcta tcagttattg ttcaagttga agagatcttc cctcatatga 180  
 cagagttaac aagtttttgt tcaagtcacc tatgtaacaa ggatatactc tagctagagt 240  
 agttgcaaat 250

<210> 36657  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888185H1

<400> 36657

gtcttacatc aaaactccaa cctgtgtcat tctcgtgtg acgccggcga attcggattt 60  
 ggcgaactcg gatgctcttc agatggctgg aattgccgat cctgatggga acagaacgcc 120  
 tgggtgtcatc acgaagttgg ctatcatgga tagatgcact gatgcgcgga atctgttgct 180

aggaaaagtt attccctcc gacttggata tgtcgggtgtt gtgcatcgta gtcaagagga 240  
tatt 244

<210> 36658  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888186H1

<400> 36658

ttattctctg tctctctctc tctctctcga tcaatcatgg ctttgcccaa tcagcaaacc 60  
gtcgattacc ctagtctcaa actcgtcatc gtcggtgacg gtggtacagg aaagacaacg 120  
ttcgtgaaaa ggcattctac cgggtgaattt gagaagaaat acgaaccgac cattggagtg 180  
gaggttcacc cattggattt cttcacaac tgtggaaaga ttcgcttcta ctgttgggat 240  
actgcc 246

<210> 36659  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888187H1

<400> 36659

ctcaaagcta aggctaagcc gcaggaacct gaagtgactg tggcgagtga tgcatttacg 60  
caattcaagc atctgcttct gcctattacg gataggaatc cctatctctc tgaggggtaca 120  
agacaagcta tagcaaccac ctctgcttta gctaaaaagt atggagctga cattactgtt 180  
gtagttattg atgcacagca gaaagagtca ctgcctgagc atgagacca actatccagc 240  
atc 243

<210> 36660  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888188H1

<400> 36660

gttaattgca agaatggcac ttcgttgctt ggtgatgtcc ctttctgttc tcttcaactct 60  
 tggctcttgcg agagaaagcc atgccagaga cgaagatddd tggcatgctg tttggccaaa 120  
 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180  
 cgaagatcac cctatgcaaa ttgaagaaac acagtaccg aaaaccttct tctat 235

<210> 36661  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700888115H1

<400> 36661

tcnctcagc ggcacgttg tattgttctt acacatcttt ctctctctca ctttcggttt 60  
 ctaaaccaaa accctaatacg agatcacaat cggatcgtaa acaaacagag accagccatg 120  
 gacggtgatt cctcttggag tgctcgactc tcttccgctt ccaggcgcta ccaatccgct 180  
 cttcaatctc gatcagacat gttcatgggt tttgatgaaa atgatgggga cgatgatata 240  
 agaga 245

<210> 36662  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888117H1

<400> 36662

cgcgacgtgt tcgggctgca gaggatccgc gagtgcgagc tcattcacgg gaggtgggccc 60  
 atgctcgcca ctctcggagc tctcactgtt gagtggctca ctggtgttac atggcaagac 120  
 gccggaaagg tgaagctagt ggaaggttca tcatagttag ggcaaccact tccattctca 180  
 atcaccacac tgatctggat cgaggttctc gaaatggggc tacatagagt tccag 235

<210> 36663  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888118H1

<400> 36663

```

ttttcagctt tcattggtgt ggcctagctg ttttctcaat gagaaagcct tcattctctgc   60
aaagcgcaac gattgcgctt tgggggtccc ttgttgcttg ttatcacctt ctgttatgct   120
acttctactg ctgcagcaac aactcaagtt tcaggggaatg aagagctgcc aaagacaaac   180
ctaaatgagc ttgatgaaga agcaaaattc ggattttttc atcataaacc aatattcaag   240
aaacatatcc caa                                     253

```

<210> 36664

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888119H1

<400> 36664

```

ctaccatgac ctttctctcaa tcatttggtt gtggacttgt gcaagcaccc ttggtgacaa   60
gctctggtct tcttactaaa gtttgaggatg ttatctcttc tcgtgatgaa gacatagttt   120
catactcagg aaataatgga ctgtccttga aagtttctga ggattcgggt ttgacggttg   180
ttgcgtttga ggtcaaccgc gattttgatc ttcaatctac agttgtttct ttctctgatc   240
ccaaggagaa                                     250

```

<210> 36665

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700888120H1

<400> 36665

```

ttaatttact atattcattt ttgaaaaacg atgttattat cttcattttc tatcatatgc   60
aactcaatc acaagtctgc atgcctttta tatagaaact aattctatca gttaacttac   120
attcccatgt taaatacaat attttcaagg tccaaatgaa ggaggtagaa aagagaaatt   180
ctctcataat catgaacacg gagcagtgat tagtgcatgc tccaagaatt agttagtagc   240
ctaaaattga tgt                                     253

```

<210> 36666  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888121H1

<400> 36666

gtttatctca taaaacttct cttgattggc gatagtgggtg ttggaaagag ttgccttctt 60  
 ctacgattct ctgatgggtc tttcacaact agtttcatca caaccatagg cattgatttt 120  
 aagataagaa ccattgagca ggatggaaaa cgatcaagc tccaaatttg ggatactgca 180  
 ggtcaggagc gggtccgaac aattacaact gcttactatc gtgggtgctat gggcatattg 240  
 ctagtctat 249

<210> 36667  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888122H1

<400> 36667

ctttgagttg aaagctctaa cctctgctac aaatcactta tacttgcgata actattatgc 60  
 tgctgattcc tttgccaaat tcggtttatc catgaaaagg cagcctgtga aaatttttcg 120  
 tgtttactct tctttttgcc aaccttatat ttcagaatac agataaatgt taaataaata 180  
 agtacctcaa tataatatcc atttcttact aaactgtaaa aaaaaaataa aaaaaaaga 240  
 agtacaagct 250

<210> 36668  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888123H1

<400> 36668

gatcatctgc aaggacttgt tctccttctt tcccaacagc catgcgttca tttcttcccg 60  
 cctcagccga gcacgttgat ctggcagtgg aggccaaaga cccgtctgag tccatctcca 120

ttctttatca ggtacttgat gatccttctt cttctccaga tgctctgcgc atgaaagagc 180  
 aggccatcac aaacctcact gagcatctca gggaacagaa tagggcagag gatttgcaca 240  
 g 241

<210> 36669  
 <211> 148  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888125H1  
 <400> 36669

gttctttctt tctttttttt attttggtgt tgtgtgtgtt tccttgaagt agtaaatttc 60  
 tcttcttttt tcaattgatt atgtgaatgc ttagtccttt tgtcttcaaa aaaagaaaga 120  
 ttatccctga actggtacat tatcaatg 148

<210> 36670  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888126H1  
 <400> 36670

gtagcatctt tctcataggg cttatgcct ttgttttctg ggcactcttt gctcttcttt 60  
 gtactcattg tactcacaat atgggaaacc aagagcatgg aattggcagg ccttgcaagt 120  
 ttactttcag tcaataattg cttcgaagga ttttttatac ttcacttact gccttacatt 180  
 tgttacatct catctttgcc ttaaatttgc tttgatccct atcttatgtt ggtcctttga 240  
 acatgttgcc 250

<210> 36671  
 <211> 137  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888127H1  
 <400> 36671

gagggtgggc cagaagaaga gacaactatg gttgagaacc gggaaaacaa caacagcgac 60

tcaagaagat cactcactct tcatttcatt tcagtaatgg ctacccaaac ccaaacacac 120  
acacatccaa acaccac 137

<210> 36672  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888128H1

<400> 36672

gtaatttttg tcattgatta attctgcaat tgagcagagg agccatggcc aaaatcgcac 60  
ttggaagcac ccgagaggcc actcagccag actgcattca ggccctcatc gttgaattca 120  
tagccacctt cctctttgtc ttgtttggcg ttggttcttc catggtcgtt gacaagcttg 180  
gtgggggatgc actagtggga ttgtttgctg tggccgtggc acatgcactt gtggtggctg 240  
taatgatctc cgc 253

<210> 36673  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888130H1

<400> 36673

gtgctaggaa agtgagtgag agaaagagat cacatagcag aatggcttct actcaatgtt 60  
tcttgacca ccatgtcttt accaccctg ccagatcccc atcacaacgc atcatggtta 120  
gcaccaagcc taaccagctt gtttgcaagg caccaaagca agaggatatt gaatgtcagc 180  
ccaatctctc gccggttagc tctaaccgtg ctcatgtgtg ctgctgctgt tggctccaaa 240  
gtccagcctg ct 252

<210> 36674  
<211> 102  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888131H1

<400> 36674



gtagctatct atttatctat agcaagtgcg tcaagagaca cgtggtaccc tagctagagt 60  
gccattctgt ggcttctttc tttctttctt tctgcatcac at 102

<210> 36675  
<211> 125  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888132H1

<400> 36675

ggacttcggc tcgagccggt ttggtgtaca cagtctacgc cactgccgtt gaccccaaga 60  
agggcaattt gggaattact ggtcccatcg ccattggggtt cattggtggc gctaacattt 120  
tggtg 125

<210> 36676  
<211> 104  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888133H1

<400> 36676

ataactttga actgtgtggc agtgtgggaa ttcattatag cattttgttc gttcttgtgt 60  
agaagtttaa gtcatttgca atatcatcag tcttgaaaaa tttg 104

<210> 36677  
<211> 84  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888134H1

<400> 36677

ctattagtta agagagttga gtaacatcag aatggcagac ttgatgaaaa gaatcctcca 60  
aatgattgag gctgaacaag caag 84

<210> 36678  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888135H1

<400> 36678

cttcctcatt ctcaccgttc tctccagccc actgctgtgg cttgtacgtt tgattgtgct 60  
gactgggtata tagagggggg ttcagcctct caacacaaca gcttggtgac cttttggact 120  
actcaatttc tcattctgttg cttttcaaga agccctcagg cttttctcct ggaaaatata 180  
tgagaggtta caagatatgt tagatgcctt tgctgataga atatcaaac cacatcttca 240  
cctgccagat a 251

<210> 36679

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888136H1

<400> 36679

tgtgagagag agagagagac gtatcacagt gatacgaaga agccctaact atgcacgcac 60  
tcactcttga gaaagctcaa tattcattcg tcgatggcac tctcttctcg tctcttttcc 120  
aaatccaaat tgatctatgg ctgtcaaata cttctgcaaa aggagcatgc tattccagtt 180  
cgtcactttg ctacagagtc tgaccctcct gcccttaagg gagatcagat gctgaagcac 240  
atTTTTgtgg a 251

<210> 36680

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700888139H1

<400> 36680

gtttttcctt tcgggattgg tttctatggc ttctgaagta atagagtacc gatgcttcgt 60  
cggtgggact gcttgggcca acgaca 86

<210> 36681

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888142H1

<400> 36681

gttcttacta acatggttgc atacattcaa aaagaatttc ctggaaacac acttaaattc 60  
 tggcgattac aatccccaag gtacttttat ggtggtgact ggaatcaaaa tgggagctgc 120  
 ttgttcaaca agccccctga ggaggatgag cttgacttat gggttgaacc caggaacaac 180  
 ggagttaaca aggaagcgag agtggtgaat tttgtgattg aagaagcatt acaagctgca 240  
 aacattc 247

<210> 36682

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700888143H1

<400> 36682

gtaagcagtg caatgttgcc aacaagcacc atgatcagga cccttgaatt ttcctcccct 60  
 tgtctatgat cgaggaagaa aatctgtaat atattatgca aaaaataatt aaggtctttt 120  
 cctttaaatg ggctggttca atgaaccgag accactgcag gtatcatgggg atgggaggat 180  
 taagaggcta tgctttttta tcttccgatg ttactgttgt ttttttttta atttcaataa 240  
 ggat 244

<210> 36683

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888144H1

<400> 36683

gtcagatgaa ggcagcaggt acagtaatga caagaagcaa gattgcatc ttttaagtgg 60  
 tgtcaaatgt gcagagaaat tgaggttctt cgtagtcatg ggagatgatg tgggtttcaa 120  
 atagggttgg atttgatcac tcttggacta tcatttgagt gaatcaaac tgaaccagaa 180  
 tttagtcaac tcacacgtgt tgtctcttaa tctctgcgt gaaccgcggt tcaatatttt 240  
 t 241

<210> 36684  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888145H1

<400> 36684

ctctgatccc ttacacctac cactccatca cagagcgaca tgatgatgat gtagcagatg 60  
agcttgctgc ttccatccca gtcacgact tgtctctcct cacttcgcat gaccctcaaa 120  
tccacgccaa agccgtgcac caactcggca aggcctgtgc agagtggagt ttcttcatgc 180  
tcacaaatca tggaattccc gagagcctgg tggaggagtt gatgaaaaag tctcgcgagt 240  
ttcatgattt g 251

<210> 36685  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888146H1

<400> 36685

ctgccccgaga agaagtgccca ggaagacgtg gttatcctgg atatatgtat acagatcttg 60  
caacaattta tgaacgagct gggagaattg aggggcgtaa aggctctatt acacaaattc 120  
caattctaac catgcccacat gatgatatta cgcacccaac tcctgatcta acaggatata 180  
tcactgaggg gcagatatat atcgacaggt agctgtataa tggaccgata taccaccag 240  
tcaatggcct c 251

<210> 36686  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888114H1

<400> 36686

gtagattgaa gctgttggtc aaagcaagcc aaagcgccct gaatcatacc gatgaattga 60  
cgtttttcca tgggtggacac atatatgcat tagatgggag gctccgcat acccgtgcac 120

ttgagtgaaa attcatgttg aaaattattg gtgtggttga tgtgctttct tgggaattct 180  
 attctatgtc atttcttctt tctggcactg attatgccta tctcattatg ggttcaaact 240  
 ttccaaattg a 251

<210> 36687  
 <211> 89  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888147H1  
 <400> 36687

gaatttacia cccttggtat tttaggtgtg acagagactc acacacacag cacaagaaca 60  
 gcggtttatc ttccggtcca tgtctatac 89

<210> 36688  
 <211> 215  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888149H1  
 <400> 36688

gtaaatgcac aacaaaatgc aggagttgca ttgaacgaac ggatgttgca gaccactaat 60  
 aggaatacac aaaccaata caatactacg atggacctga gaaatgtagc tgatgattct 120  
 gcagtagaat cttcaagtgg taccaggaga gaaagggatg gaggcttagt tccagtatgg 180  
 tctccaccag cttccagtta ctcagaacaa tttgt 215

<210> 36689  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700888150H1  
 <400> 36689

tcatcacttt tgtctgcatt acacctgagc ctcagatctc atctcttata cacaaaacaa 60  
 acgatacaaa ggtgaccatc atgaaactca aggttgatct tgagtgtgta atatgttaca 120  
 agaaggctga gcgacttctc gacaagtatc ctcaaactcg agatcagaag cacgatgcga 180

aggattctcg tctgcgcaca acatcagtgc gcaattccgc ttctctgctc agcactcagt 240  
tgattttc 248

<210> 36690  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888151H1

<400> 36690

ctataacaaa aatgagtgac aaaaacaaca tggttatagc ctccaaaaca gccactggta 60  
gttcttcac c atcttcaaga atgtccacaa aaacattctc gggactcgga aacctcgta 120  
agctccttcc caccggcact gtctttctgt tccagttcct catccctgtc gtaaccaata 180  
gcggaactg caccactctt cacaagtacc tcaactggctc tttccttgct gtatgcgcat 240  
tcgact 246

<210> 36691  
<211> 90  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888101H1

<400> 36691

ctctgctatt ctggagtgtt catggcaaat tggcgaggca gatgacgttg ttgatggcgt 60  
tttgtgatta tattgggaac tgcacaaagg 90

<210> 36692  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888102H1

<400> 36692

gtgattgcgg aaagcaaaaa catttggcgt ctgaggcgca ccaacggagg ccaactcgagg 60  
ggttctcggg gtgcccttct gtgactgagt tgtaacaat tctgggtctc agtgaaaaat 120  
ctctgctttc aaatgagggg acttcccaga ttgatgatga cctttcggat ttgcacgtgt 180

ggagtgtccc ttctattaat ggtcttgaag atttgatcac taccacagct tcttctcaaa 240  
aggtgtgtgt 250

<210> 36693  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888103H1

<400> 36693

cttcctcatt ctcaccgttc tctccagcac actgctgtgg cttataagtt tgattgtgct 60  
gtctggaata tggagggggg ttttgcctct caacacaaca gcttggtggc cttttggaat 120  
actcattttc tcattctgttg cttttcaaga agccctcagg cttttctcct ggaaaatata 180  
taagaggtta caagatatgt tagatgcctt tgctgataga atatcaaaac cacatcttca 240  
cctgacagat 250

<210> 36694  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888104H1

<400> 36694

ttcaaattga ttcttaagtt tcctgtactt ggactgaagg gagctccctt tttcttttga 60  
atcttctctt ttcttttctt ctattttgca catgacaagc attatatcat ttctcatctc 120  
tatttaaagt agtatatcac ataactcatt tttgtatctt ctctcttctt ttcttctatt 180  
ttgcacatga caaactttat atcatttttc atctctatctt aaggtagtat atcacataac 240  
tcataactc 249

<210> 36695  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700888105H1

<400> 36695

ggtattagca acgagaagga gaggaggggt ttgcgtgtgt gagagagaat cagaatcaga 60  
 agatgaagaa agaagacaca gtgaagctga tcagttccga aggtttcgaa tttgtggtcg 120  
 acaaagaacc tgcaatagtt tcacagacca tacataacat gcttacttct ccagggagtt 180  
 tcgctgagag gcagcacggc gaagttacct ttcctgagat cagcaccacc attctcgaga 240  
 agatttgcc 249

<210> 36696  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888106H1

<400> 36696

tgcaaccatt taaaggtaat gatccagcgg atgacgaggt ggacattggg ggaaatgagc 60  
 cccctgtgtc aagctatcct catgtggaga ttgaaaagga tacaacttat ggaatgaaca 120  
 aaagcctaag cccaggcagc tcaaataata cggactctga tagttcttct gatagtgaag 180  
 ctgatgatgt taaagcaaga ccagcaaatg cagcaaaggc accagaaaat ctgggttctg 240  
 aagct 245

<210> 36697  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888107H1

<400> 36697

ggacaattgg tcagcttatt gagtgtatca tggggaaggt ggcattccac atgggaaaac 60  
 aaggagatgc aactcctttt acagatgtta ctgtggacaa tatcagtaaa gctctacaca 120  
 aatgtgggta ccaaatacgt ggttttgaga ctatgtacaa tggcatatac gggaaacgtc 180  
 taagtgaat gattttccaa ggcctacat attaccagag actgaagcat atgggttgacg 240  
 acgggatcca 250

<210> 36698  
 <211> 248  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700888108H1

<400> 36698

tctctacact ctattcaacc cttcacattt tctctcttct ttattctaaa ttacttttcc 60  
atggaggaaa gcaagaaacg agtccgggac gaggccagct actcaccgga gtcccaaact 120  
cagctgggtcg actctccgga gtctgaaagt cagcgggtcg actcacctga gtctaagatt 180  
cgctcgagttg actcgtcgga gtctcaactc gactcggtcc ttgactcgga ggtgcgtcta 240  
caagacga 248

<210> 36699

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888109H1

<400> 36699

cctccttttag cagagtggat gagggggtga aagatctcga aattcagcag ccacctcctg 60  
aggatgattt tgatgatgac aatattggaa ccattgcctt cccaccttct cctgatgcta 120  
tcccacaatt catagcatcc tcaagcacag ctacgtctgt tcgacatcca gatgccaatc 180  
tttcaaaaga gatattgaat gccaatagtg tggttcagtc cctgaaccca gcctc 235

<210> 36700

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888110H1

<400> 36700

gtgaaacaaa gaaagctgtg ccaattgaca tagatctgac catgagtcac gctagtgtat 60  
cagggaaatt caatactcat gcaacaaatg gcaaagagat tgaagtaatt gatttagaaa 120  
atgatgattc cattcaagaa gagaagtcaa tcaacagtat ggatagaaag acagagacta 180  
tgtttctctgg ccttgaaggt ttttccaacc atgctcaaaa tgcttgctga catgcatgat 240  
gttca 245

<210> 36701  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888111H1

<400> 36701

gcagcttacc ttaaattctct aataaaaaaac cactggaaga tggaattcgt gagatttttt 60  
 gattgctgga atgattttca agaaaaggcc acaacccaag tcttgattgt tttggacaag 120  
 catgagaacc gcgataactta tgtggtagct ttccgaggaa cggaaccctt tgatgcagat 180  
 gcatggtgca ctgaccttga catctcatgg tacggg 216

<210> 36702  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888112H1

<400> 36702

gtatgtttca tccaaatatt tatgctgatg gaagtatttg tttggatata ttacaaaatc 60  
 agtggagtcc tatttatgat gtggctgcta tactcacatc tatccagtca ttgctttgtg 120  
 atcccaaccc aaattctcct gcaaactctg aagcagctcg aatgtttagt gagaacaagc 180  
 gtgagtacaa tcgaagagtg agggaaattg tggagcagag ttggacagca gattaagttc 240  
 atccttatat 250

<210> 36703  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700888113H1

<400> 36703

cttaacatta gctcaaattt catttatggg ggaattccag aatctctatc ctcgatgagg 60  
 aatctaagga gtcttgtttt ggttgataat ctcttcaatg gaagtgttcc tgacctccaa 120  
 aggctaactt ctctagaaga gctcaacttg ggaggcaata aagtgggtgc tcaattccct 180

tcagtgggaa agaatcttgt cactattatg ttgagaaata attcactgag atctcatatc 240  
cctccacaac ttgt 254

<210> 36704  
<211> 251  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700808472H1

<400> 36704  
  
aaattaacca aagcaatgaa gaaactaaaa cactactatt cacaccacca ccacaactcc 60  
tccgaacaac aacaatcaaa gtgtattttc ccattaataa ccattatctc tcttttctct 120  
ctcttcttcc tctctctctt tgctctcag ctaaccctc tctccgccac acgctctctc 180  
ccattctcta tctccaccgc cactcctccg gggncctggc cggtcgtcga gtccaagctt 240  
tttctctctc c 251

<210> 36705  
<211> 215  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700808473H1  
  
<400> 36705

gcagtgttgg gagtacttct gatccgaaag aatgaggact ttgaaaacct taagaagcta 60  
tttgatgaga ctacattata tgacaagcaa tggcaagcaa cttggcagga tgagattcaa 120  
gcattccaaa atgagtagtg gattgcgttt gtagtctcct cctcatgtcc tatacagtgc 180  
tgcgataatt gtatacaaca gcatgtatga tagac 215

<210> 36706  
<211> 93  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700808474H1  
  
<400> 36706

gcagcaattc agtcttacta catgtgctcc tcaaaagaac aatgtatgaa atacctatgc 60

tatgctatat gctatgatac ctttattaca tgc

93

<210> 36707  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808475H1

<400> 36707

cggctcgagc ggctcgagcg gctcgagact caattgcttt acaatgtggt gcaccccacc 60  
atccgccatt gcttagagtt agaagcctct tatccactaa ccacttatga cccatttgag 120  
tactgattgc caggtagaaa ggagggtaga aaaagaagat aaattgggga tggaagtggg 180  
ggaaaagagg gtaggggtta gagggagtgt gggtgcagca gggtcagtgt gggacagcag 240  
gatgaagagt gatgaag 257

<210> 36708  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808476H1

<400> 36708

aattggcggtt ggcttaggag ccagcgagag agagagagag agagacagat ttaccgggtga 60  
ccggtcgggtg ttgttgattg aattcacctg acgttcaacg catctctgtc aatgtctcca 120  
gtttggagaa tcattccgta tattcggtga attataagat agagtggaag cacaggcttc 180  
tttcttcctt tttgtggcgg tggcggtggc gatggcgga ggggaagagc ttcggcctga 240  
cttgctg 247

<210> 36709  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808477H1

<400> 36709

attgaatctc agaattctct aaaagagatc ttttctgct ctttgaagaa agaagggctc 60

ttgcttgatt ttggagatgt ctctgctctc agatctcatc aaccttaacc tctccgatac 120  
 caccgagaag gtgatcgag agtacatatg gatcggtgga tcaggaatgg acctgaggag 180  
 caaagcaagg actctcccag gaccagttag cgacccttca gagcttccca agtggaacta 240  
 tgatgggtcc agcacaggt 259

<210> 36710  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808478H1

<400> 36710

cgctcgagcc gaatcggctc gagctttttt ctcttcaca ttctccagcc cacaacatca 60  
 aggacctgat catgtcgggg aagaggcccc ggccaatgat cggaaagttg tcggagttgt 120  
 tggctctgag aggccgcacg gtggcacttt tggacaccac tggaagccca agaggcccat 180  
 tagacatgaa gatgatgcaa tcaccaagag gcttaaaaaa ttatgatctt ggtggcggtg 240  
 gtcttggaat tgtggtggct ctt 263

<210> 36711  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808479H1

<400> 36711

gaaaaaaaaa atattttcat ttcattttcg agtaaaagta aaacacagtt cctgatcaat 60  
 ggcatctcgc cgccgcatgt tattgaaggt cataatctc ggagacagcg gggttggtaa 120  
 aacatcactg atgaatcagt atgtgaatcg taaatttagt aatcagtata aggcaaccat 180  
 cggtgcagat tttcttacca aggaagttca atttgaagat aggttggtca cattgcagat 240  
 ttgggatact gctggtcaag aa 262

<210> 36712  
 <211> 209  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808480H1

<400> 36712

ggttttacaat gttccgttaa cgacggagga actcaaggac taccacgatc gtccggcgcc 60  
 ggtgagcggc ggcggacagc agaaggggaac gccggcgccg gcgccggttg tgagcggcgg 120  
 ggtctccaag agtaccactg gaaacacgtg gtgcgttgca aacccgatg cggataaggt 180  
 taagctgcag gcggctctag atttcgctt 209

<210> 36713

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700808481H1

<400> 36713

atctatatca ttgatactgt gactggtcgc atattgcac gcacgacaca ccattggttgc 60  
 cagggtcctg ttcattgctgt atttagtgaa aactgggttg tctaccacta ttttaattctc 120  
 agagcacaca gatattgagat gtcagttggt gaggtctatg atcagttctg agcggataac 180  
 aaagattgctt ggaagtttgt tcttgggaag cataattcta catcaccocat ctcttcttat 240  
 tatcgagcag aagttggtt 258

<210> 36714

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700808483H1

<400> 36714

gaagaaacgg ccgagccttt ctgttttccc atgcaatgaa tattgtcacg gggccaaaag 60  
 aagacaggca tctcttgact ggcctccata ctgttgctga tgtttattgt ggcgattgcc 120  
 gtgaagtgtt gggttggaag tatgaaagag cttatgaagc atcccagaag tacaaggaag 180  
 gaaagttcat acttgaaaag tcaaaaattg ttaaggagaa ctggtagcat tcctttctgc 240  
 tccccattct attcatt 257

<210> 36715  
 <211> 94  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808484H1

<400> 36715

agtttgcttt aggactgtcg gacggtggag ttcattgttt tgaaccctt gaatttgaag 60  
 gcaagtgagg gtgtgcctcc ctccgattg gaga 94

<210> 36716  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808485H1

<400> 36716

tatttttctt cctcagtagt gtcatttacg cttctcttct ctgcagcaac tatgcctaac 60  
 cctaaggctt tcttcgacat gaccatcggc ggtcaatctg ctggccgcat cgtgatggag 120  
 ctctacgccg acgtcactcc ccgcaccgcc gagaacttcc gcgcgctttg caccggcgac 180  
 cagggcgtag ggcggagcgg caagcccctc cactacaagg gctcgtcctt ccaccgcgtg 240  
 atcccagatt tcatgt 256

<210> 36717  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808487H1

<400> 36717

tctctagtcc tggtatttct cagcgcgtaa agcatggctt tggtgggtga gaaaaccacg 60  
 agtggtcgcg agtacaaggc caaggacctt tcccaggccg acttcggccg cctcgagatc 120  
 gagctggccg aggttgagat gcccgccctc atggcctgtc ggaccgagtt cggccccctc 180  
 cagcccttca agggggcccg catcaccggc tccctccaca tgaccatcca gaccgccgtt 240  
 ctcatgaga c 251

<210> 36718  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700808489H1

<400> 36718

atggattcag ctgccacccc agaaaactca tcaatatcaa ttggagatga tgattttgag 60  
 cagagttccc aaaagtgtaa atcaggaggg gatgaatatg atgaagatga acctgatgcc 120  
 aaaagatgga aaattcgaag ggtgaaaatt gcagggtatc gtacagcacc ctggacangg 180  
 tagaacaag tgagagcaac cttagnnagt tcgtaagtcc aaagacaac 229

<210> 36719  
 <211> 194  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808490H1

<400> 36719

aaagataata agatgttttag tttattcatc atatatatat atatatatat atatatacac 60  
 acttgcgatt ttgtacatgc tttagtagtg attacagttt aaaagttgta tcagaacagg 120  
 taggctctct attctgtaaa ttgtgctagg ttttataatt tataatatag agttttaatg 180  
 ccttttaact atcc 194

<210> 36720  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808492H1

<400> 36720

gctggaatgt tcttttccta ctgtatggtc tttgctatgt cactcaccaa ggccccaaat 60  
 tggagactca tgttgggtgt tctttcaatt ccctctctca tttattttgc actcacgcta 120  
 ttcttcttgc ctgaatctcc aagatggctt gtcaaaggcc ggatgctaga ggccaagaag 180  
 gttttgcaac gacttcgcgg cagacaagat gtcgctggtg agatggcttt actagttgag 240



ggtcttggag ttgggcgt

258

<210> 36721  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808493H1

<400> 36721

tgaatctcag aattctctaa aagagatctt tttctgctct ttgaagaaag aagggtcttt 60  
gcttgatttt ggagatgtct ctgctctcag atctcatcaa ccttaacctc tccgatacca 120  
ccgagaaggt gatcgcagag tacatatgga tcggtggatc aggaatggac ctgaggagca 180  
aagcaaggac tctcccagga ccagtttagcg acccttcaga gcttcccaag tggaactatg 240  
atggttccag cacagggtcaa 260

<210> 36722  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808494H1

<400> 36722

agaagggtaa ggaggtggg agtgggaaga aggagaagag gatgaagga gagaagagtt 60  
ttgggagtgg cgggtcgaag agtgggtcca aatttgggag tggaaagaaa gggtttgggtg 120  
ggaaggcagg gaaggatcat gatggtgaag ttaaggagat gtgggacaca attgctgggg 180  
gagattctga ggatgatcaa gaggggtctca ggaatgtgga tgatgacaac tttattgatg 240  
aactggagt ggaacctgct t 261

<210> 36723  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808496H1

<400> 36723

eggctcgagc ttagttccaa tctaactgct cataacaaaa ggaaccatat agacaccttc 60

gtacttgtca tggcctttaa gatcaacact ttccttctag ttcttctctt gatcctcatt 120  
 cccttatctt caggcttggc tgaaggcttc ggggaaaaca tgcacccaac tcatggctta 180  
 ctttataagg atggtatcaa gatgaactcg aggaagcttt tggttcatga ttttgtgttg 240  
 gattatgatg aggacgacc caacca 267

<210> 36724  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808470H1  
 <400> 36724

gaaaaaaaaa aacccttagc caacacaacc atcatggcca cctctgctat tcagcaatca 60  
 gcattcactg gtcaaactgc tctgaagcag ctcaatgagt tcgtccgcaa gaccggtggc 120  
 gccggcaaag gtcgcactaa catgcgccgc accgtcaaga gtgctcctca gagcatttgg 180  
 tatggccctg accgtcccaa gtacttgggt ccattctcgg agcagattcc atcatacctg 240  
 accggagaat tccctgg 257

<210> 36725  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808427H1  
 <400> 36725

ctgtaataaa caccctcctc cactatgcct caaaatccaa cgacaccttt cacatgcccc 60  
 actcagacct caaaaccatc tccgacatgc tccgaaagtg tccctcgcca tgcaacttcc 120  
 tcgtcttcgg cctcaccac gagaccctcc tttggaaagc cctcaaccac aacggaagaa 180  
 ccgtcttcat cgacgaaaac cgggtactacg ccgcgtatctt cgaagaaaaa cccccgaaa 240  
 tcgatgctta cgacgtggca tac 263

<210> 36726  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808430H1

<400> 36726

```

tttatttggt tgcaaaataa gctgaacttg cattaatat atattaatgt tatctttaat   60
tggctggtag caatattata ttaatcaatg tttggctttt atagggcttt acttgtcttg   120
gtgtatcgac aaggctcactg atcatttgag atctcagcca ctgccttcaa gtattggtgg   180
gaaaagttat agctaaaggc acagtgagtg ccaccttcta ttttgtcggt gttgagatta   240
agatgaattt acctatgtga gtgtg                                           265

```

<210> 36727

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700808431H1

<400> 36727

```

gccaaagtga agtgagaaaa aataaaaatc aaagagcata atgtcagga tcattcacia   60
gattggggag acccttcatg tgggagggca caagaaggag gaggagcata agggtgagca   120
ccatgctgga gaatacaaag gggagcacca tgggtaacac agtagtgagt acaaaggaga   180
gcatcatggt gaacacaaag ctggagagta ccatggtgag cacaagccag agcaciaaag   240
ggggttccta gacaaagtca aggacaag                                           268

```

<210> 36728

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700808432H1

<400> 36728

```

gtgtgattca attgaagaga tagtgtcttc aacagaggaa ggggatgaat cagatgagaa   60
tgagataata tttaagcagc tcaattgttt gaaacttaaa tatttaggaa agctgagaag   120
gttctacaaa gggagtttaa gtttcccgtc cttggaggaa ttcacagtaa agtattgcaa   180
gaggatggaa agtttgtgtg caggtacagt caaacagac aagctgttag aagtgatatt   240
cgaatggaga gatcatatcc cattggaaac t                                           271

```

[illegible]

<400> 36729

<210>	36730
<211>	262
<212>	DNA
<213>	Glycine max

<400> 36730

<210>	36731
<211>	258
<212>	DNA
<213>	Glycine max

<400> 36731

14764

tgctcatggt gacaatagta acaatactac tactactact actactacag aagttaggat 180  
ggaagatatg aatcaagcat gtactgaaca gggggataat ggccttaaaa cacacaacaa 240  
tgagagaaatg tttggaaa 258

<210> 36732  
<211> 260  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700808438H1  
<400> 36732

aaaatccctt tggttgctca cataagattt gggtttcttc aaaattatct ttttttttct 60  
ctcctaaaaa aaaaagagaa aactttgttt gattctttga aggagggttg aagaaagcaa 120  
aaggtgtagt tttgttttaa gtttctttga aatggttttc atgtctgaga tattgttccc 180  
cgaagaaaaa attgaggaag gagagtggga gaaggagaga taagaagaag agaagaatac 240  
ctacccagca agcagaatta 260

<210> 36733  
<211> 260  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700808440H1  
<400> 36733

tgctcactgg ctcatcagaa accacaaatc ctcaacagca actacaagat ccagttcaac 60  
cacaatcatc atcatccaag aacttcaaca tcctccaat gaaaacaacg ccaaagaagc 120  
agcaagggtt caagctctat gagaggagga acaacaacaa ccatctcaag aacaccctca 180  
tgatcaacac cttgggtcccc aattttgcac acagctcagg attctctctc tcctcatcat 240  
cacctgcaa caagccagag 260

<210> 36734  
<211> 257  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700808441H1

<400> 36734

caacattagc atcaaaacca gagtggttct agtaatccgg tgctgctaga ggatgggaac 60  
tagtgaatgg catatcgagc gaagatctag cttcggcact gaatccccct tagcaagaga 120  
ggcaggaaat gtgcctgaaa ctgggtcact ctctattgtt gtgcttggcg cttctgggga 180  
tcttgctaag aagaagacat ttcctgcact tttccatcta taccggcagg gattcttacc 240  
agcagatgaa gttcaca 257

<210> 36735

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700808444H1

<400> 36735

ctatcaccca attgcagtgt tcgcttttca ctctctttcc gcacagcata cgtcacaacc 60  
ccttcttctt cttctccacc atcggttctt agctgatgac gacgtctttt ggaccagcca 120  
ccacctcagc gccgcttaag gaccacaaag ttcagatccc aagcttccat ggcttgaggt 180  
cttctccgc ctctgctctc ccccgcaatg cctctccct tcttccatcc actcgctctc 240  
tctccctcat acgtgctgtt 260

<210> 36736

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700808445H1

<400> 36736

gataacataa gaagcgcact cgcaacaggg gaaggaagca gagcactgca gcctcatcat 60  
ttcaaggcca acacaaagca gagaaagcaa aaaaaaaaaa gaggggggta gagagttatt 120  
aagggtgaagg aagaggaaag gggtttgtttg tgtgaaa. 157

<210> 36737

<211> 268

<212> DNA

<213> Glycine max

002220 "E" TFE560

<223> Clone ID: 700808448H1

<400> 36737

aaaataatTT ttctTTtaag tttgaagttt catctgcttt gcctcgtaac cctaattcag 60  
agtcctctgt tactgaaaca cttccatccc aaaccaatgt ctgtttctct tttcggattt 120  
cctaattcat aatgagtagt agaaagagaa cggggatgCG ggaaggttac gagtttatgc 180  
caatacgaga tgttggtaga tctgttgGCC agaaagccaa gttgattggg gttattcttg 240  
acttcggctt tccaaagaaa tccaaggg 268

<210> 36738

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700808450H1

<400> 36738

attcaaaagt ttttgaaatg ttgtcacccc ttcttctatt tctatgccta actcttcctt 60  
tgtttttggt gtcttcttta caaataccgt aaaaccttca agaatccacc acttccacca 120  
ggccttagag gccttcccat aatagggaat cttcatcaac tagatagtcc ttctcttcat 180  
gagcagctat ggcattcttc aaagaaatat ggctctttat tttcccttca atttggatta 240  
aggccagcca tagttgtttc ctc 263

<210> 36739

<211> 68

<212> DNA

<213> Glycine max

<223> Clone ID: 700808451H1

<400> 36739

tgggacattc atgggctgat ttggctgaca attaggcgac tgaaaatgtg ggaacgtcta 60  
aatacaca 68

<210> 36740

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700808453H1

<400> 36740

ccacgactca caagagcttg cggggccac gtgcggggat gatcttttac cggaagggcc 60  
ccaagccgcc gaagaagggg cagccggaga acgcggttta tgatttcgag gacaagatta 120  
acttcgcggt gttcccttcg ctgcaggggtg ggccccacaa ccaccagatc ggtgctctcg 180  
ccgtggcgct gaagcaggcc gcgtcgcccg ggtttaaggc ctacgcgaac aggttaaggc 240  
gaacgcgttg cgctt 255

<210> 36741

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700808454H1

<400> 36741

cttctccttt tgtactctca ttcacattct tataggctaa ttaacatata ctctcttcca 60  
aagttgagta ctttgccaaa aaaaaaaaaa ggtttccctt tggggaagga aacccaagg 120  
agggtttttg gaccatttgg agcgttggca tccctggttt cctccaattg ggggcccccc 180  
caaaagtggg tcaaaagggg tccctttccc tccagggatg tcggggaagt tcatccccgg 240  
ggttcgggac cggtttt 257

<210> 36742

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700808457H1

<400> 36742

tgtgaatcgg gtgaatgatc tctggggaca acctcaattc aatggccttg acctggagtt 60  
tgatcaacct cttagagagc ttggcttccc tgggtgtgct cataaatctt cagtatttat 120  
cgtacctact tctgcctgcc ttgttgaact gatagagact ctttctcttg ttgtcacgct 180  
tagtgagatt gagattgtta atcttgagag agttggactt gggcagaaaa actttgatat 240  
gacagtagta tttaag 256



<210> 36743  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700808458H1  
  
 <400> 36743  
  
 aagctattcc ccaacacaat tgtctccatt catgcatatc gcgatcggat ttatgttggt 60  
 gatgtccaag agtccttcca ttattgcaag tataggcgtg atgaaaacca actttacata 120  
 tttgctgatg attgtgttcc aaggtgggtt actgcatcat accacataga ttttgacacc 180  
 atggcaggtg cagacaagtt tggaaatata tattttgtgc gggtgccaca ggatgtttca 240  
 gatgagatag 250

<210> 36744  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700808459H1  
  
 <400> 36744  
  
 ggaaatctgt gatactcaga tatgcatttc ctataaagtg cactgaagtt attctagctg 60  
 atgataatga gactattctt gagattcgag cagagtatga tccttcaaag aagaccaagc 120  
 ctaaggggggt tctccattgg gttgctcaac cttctcctgg agttgatcca ttaaagggtg 180  
 aagtcagatt gtttgagagg ctgttccat ttagagaatcc cgctgaactt gacaactggc 240  
 ttggcgattt aaaccca 257

<210> 36745  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700808461H1  
  
 <400> 36745  
  
 gtgggtctca agcttcatgt gtctctttgc tttcatgggt ctaagaaacc aaatatcccc 60  
 ctacctaaat gggatatctca gattgggtgaa tctcaaccca gtattttctt cacagatagg 120

tcaggacagc attataaaga atgcctgtcc atggcagttg ataatcttcc tgttcttgat 180  
 gggaagactc cagtccaagt gtaccagagt ttctgtgaga gtttcaagtc ttcattctct 240  
 ccattcatgg gctctacaat 260

<210> 36746  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808462H1

<400> 36746

tgacgacaaa acggggaaga tcgtcgatgc tcgcttcaaa accttcggtt gtggatccgc 60  
 cattgcttct tcttccgtcg ctactgaatg ggtgaaggga aagcaaattg aggaagtatt 120  
 gaccattaaa aacactgaaa ttgcaaagca tctttcactt ccaccagtca agcttcactg 180  
 cagcatgctt gctgaggatg ctataaaagc agctgttaaa gattatgaag ctaagcgtgc 240  
 ctcagcatct gctgggtggac ag 262

<210> 36747  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808464H1

<400> 36747

caaggccatt aatctgtggt ctgcaattca gacaagagag gattgggttag acgttagctt 60  
 cacggatgga gttcatctat cagcagaggg aagcaaggta gtggtgaagg aaatattaaa 120  
 ggttctaaga gaagtagatt ggaaacctag tctgcattgg atgtcaatgc caactgaata 180  
 tgcagaagat tcaccatatt atcttccaag tctgatgga acaacaacca taaatgtgtc 240  
 tcatattatc tcccgaaggt gtttgca 267

<210> 36748  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700808467H1

<400> 36748

gtctggtgcc agtttctagt acatttccag tgactcacga acccacagtt gagtattgga 60  
 caccaacatt tggaggaact tacagatagc tagcttcatt aattaattat aatgggtggc 120  
 aaaaagtggc acggaaggag tactctcagc gaacancaca caagnncaac aacgaacatt 180  
 tgcattg 186

<210> 36749

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700808468H1

<400> 36749

aacattgaaa aggtatccgg cggaattgtc actatcttca ttggtatgct tatcgggtgc 60  
 tttgcaagcc agcgtggtgg caatagtagc gactcgtcat tctgggcttg tggcatgggc 120  
 cttaggttgg gacttcaggc tctatggccc tctctacacg ggaatagtta cctctggaat 180  
 tacatattat gccaaggat tgatattgca aaccagaggc ccagtatttt taactgcctt 240  
 caatcccctt tgcattg 257

<210> 36750

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700808426H1

<400> 36750

ccgtggcttc aagaagagaa tctcaatgga ggcccaggag ctgaagcgcg tgttccagat 60  
 gttcgaccgc aacggcgacg ggagaataac gaagaaggag ctgaacgact cgctggagaa 120  
 cctgggcattc ttcattctctg acaaggacct gagccaaatg atccagagga tcgacgtcaa 180  
 cggcgacggt tgcgtggaca tggacgagtt tggggagctg tatcagacca taatggacga 240  
 gcgcgacaat gaggagga 258

<210> 36751

<211> 248

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700808391H1

<400> 36751

gttgctgcag agtgaggcgt tcgattaact ttggcgatca cagaagagaa gggaatggag 60  
 ttttctcaag atgattttga tcggttactg ttattcgaac acacgcgaaa gactgctgaa 120  
 gcaactacgc agagaatcct caagacgctg ataatctgac caggtggggg ggagctttga 180  
 tcgagttgtc gtcattccaa gtcctaggg atgccaagcg atgattgatg atgccttcga 240  
 agctggag 248

<210> 36752  
 <211> 150  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808392H1

<400> 36752

gcgaggagct gaccgtggag gagecgttaact cctctccgtc gcctacaaga tcgtgatcgg 60  
 cgctcgccgc gcctcctggc gcatcatctc ctcaatcgag cagaaggagg agatccgggc 120  
 aagaggacca cgtcgcgtca tccgcgacta 150

<210> 36753  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808393H1

<400> 36753

ggagtcgcga gtgctgtcac gcgccgaac ttgttctccc tccctcacct ccgcaagctg 60  
 ccgccggagg tcggcgccgg cccctccctc gtcgccgtga aggccgtggg ctccgtggcg 120  
 gaggggggaa cctgatttgg gggaggcaac tgccgccaga gctctgctcg ccggcgctga 180  
 agaaggaggc cgtctctctc cggccatgcc tcgccgcgcc tcctcgccgg ccgagggagt 240  
 gattccgccg g 251

<210> 36754  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808395H1

<400> 36754

atttgtaacg acaaagaagc agaaggtgta gtaatactga gtgggtcaaata taaggatcgg 60  
 gattcaggaa tttccattct ggacacacag aagaacagaa agaaactcct ttttaattttc 120  
 aatttcaagt caagatcgat ctgacatcat agaaaatgac catggatgtc gttcagctgc 180  
 agatgagctg cgcgaacaca agccgctatg tttcaacagg tttttggatg atcagtcgcc 240  
 agttca 246

<210> 36755  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808396H1

<400> 36755

tgaaccctaa ttatacagaa tttaaattcc cacagattaa agcacatcca tggcacaaga 60  
 tcttccataa gcgcatgcct ccagaggctg ttgatttggg atcaagacta ctacaatact 120  
 ccctacttgc ggtgcacagc tttagatgcc ttgacgcac ctttctttga cgaacttcgt 180  
 gatccaaatt ctcgcttgcc aaatggccga ttccttcac cactatttaa tttcaaactg 240  
 cataactgaa aggtgtcca 259

<210> 36756  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808402H1

<400> 36756

gagcgtgcc cgtgccccca ctgtcaccgt ccagacc'aa ttttccgtcc aagttcattt 60  
 tcccggaaaa tcttcttggga agattcccct gttttttcct tgcaattggg cactgtaaaa 120  
 agggattttt ttttttttat tttcagtgtg gagcatctgg gaaaaaatgg cagcaccaac 180

gccgattcac aaaactgaag aggaatggaa ggtcattctc tcccccgagc agtttcggat 240  
ccttcgccag aaaggaactg aattgaagg 269

<210> 36757  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808403H1

<400> 36757

agattctgta gagaagaaga gcaatggcgt ccaacgattc cgattcgcag atgaagatcg 60  
tacatggcga tgctggttac atacttgaag acgttctccta cttcgccgac tatattccaa 120  
atcttcctac atatccgaat ccgcttcgat ccaatcctgc ttactcggtt gttaagcagt 180  
atttcgtgca catggacgac actgttctc agaaggttgt tgttcacaag gatagtccaa 240  
gaggtgtaca ttttcgacgt gcaggg 266

<210> 36758  
<211> 174  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808405H1

<400> 36758

ctgcgactgc ctccaggggt tccaggtctg ccaactcgtc ggccggcgga cgggctccgg 60  
gatggggacg cttcttattt ccaagatcag agaggagtat cctgacagga tgatgcttac 120  
tttctccggt tttaccttcg cccaagtggc ctccgacact tggtgttacg agcc 174

<210> 36759  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808407H1

<400> 36759

gagtccttg ggtatctcag gtttggtccta tttgtttggc atcttagcct tcacctctt 60  
gctcgtttg ttgttgcat accgtgaagg aattgactat gattcagaca atggatttcg 120

cgtcttcaat gctcaccctt tattgatgta ctctgtcttc attttccttg ctggagaagt 180  
 ggcttttttg tttcgttgtg ttcattgcttc aaggagcttc agctactaca agagctaaag 240  
 tgctaccatg gcacaaagtt gg 262

<210> 36760  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808408H1  
 <400> 36760

ggaacacagg aaaagcctcc aaaaccaacc caccgttggc gcgatggctt tcccctccaa 60  
 aggcgatgac gagcaggctc tgggtgcagcg taaatcgaat gcgagagttt tgacactaaa 120  
 caggactaaa cagttgaatg ccctctcttt ttatatggtt tctcggtac ttgaaatttt 180  
 ttctgaagat gagaaagatt ctgatattaa attggttgct gtgaaggga atggaagggc 240  
 tttttgtgct ggtggtgatg t 261

<210> 36761  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808410H1  
 <400> 36761

atcgaagaag cacttgctca ccgtcgagaa gaagcagatt aaggccattc tcgactccgc 60  
 cgacgcgcct ttcttctgtt ccacgcgctt ccctctccag atccgcgccg gttccggatc 120  
 ctgcatttg ctccaatcgg gaaccgtttt acctatcaag attcataggg atgaagagag 180  
 tgggaagatt ttgaatttgg tgtttgtttg ggctgaggat ggaatgaaat tgaagggtga 240  
 tgtgcctggt gttttcga 258

<210> 36762  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808411H1

<400> 36762

tgatgtacac tcccaacgcc gattccggca cggcgccgca tccgcgcccc accatcacgc 60  
 tccctccgcy tccctccgcc gaggccttct tctctgccgc cggcgggcgcc agccccggcc 120  
 ccatgaccct cgtctccagc ttcttcggct cccatgccgc tgcgcactgc cgtctcttct 180  
 cgcagctcct cgcgggcgct atggcctccc caatggcctt ctccgcccgc gcagcatccg 240  
 ccgcccacaa ctccggcaag gacga 265

<210> 36763

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700808412H1

<400> 36763

tcaccaccta cttccaacgc gctcaatttg aagcatgttt ttcccccgcg acttggcgcg 60  
 tcaagccgaa tctctgtcaa atgcgctttt gggtttgagc cggtgagcta cggagtcggc 120  
 tccagccgag ccgattggca gagctcctgc gccatcttag ccagcaaggt cgtttctcag 180  
 gaacaaccct ccgctgacca gaacagcggc accaccgacc acatcgccgc cgtcaacggt 240  
 cacaaagccg ccgtcagcga cttccaa 267

<210> 36764

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700808414H1

<400> 36764

gactaacaat aactgacca ttgttgacag tggattggc atgaccaaag ctgatttggt 60  
 gaacaacttg ggtacaattg ctagatctgg taccaaggaa ttcattggaag ccttggtctgc 120  
 tgggtgctgat gttagtatga ttggacagtt tgggtgtggg ttctactctg catatcttgt 180  
 tgctgagaag gtcattgtta caaccaaaca caatgatgat gaccagtatg tttgggaat 239

<210> 36765

<211> 270



<212> DNA  
<213> Glycine max

<223> Clone ID: 700808415H1

<400> 36765

ctgcaacagc gtgtagtacc atcatgttcg tgagtagggc cggaagctct gcttagagtg 60  
tcttgattct gctatcatgg atactaatga atgccaaccc cttcatgctg atatacaaag 120  
attttatgaa agcctaaata tgaaactgga ccaacaaatt ccacttctat tggttgaaag 180  
acaagcactg aatgaagcaa gagaaggaga gaagaatggc cactatcaca tgccggaaac 240  
cagagggctc tgcctctcag aggagctcag 270

<210> 36766  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808416H1

<400> 36766

atgcataatg aatcattaat aatagagaca gaccggcat cggtggcaca caatacgtga 60  
gttctggtcc ctcttcttct agtaaaccctc atccatcatc atccatataa actcacactc 120  
ctaccaccac ctctatcaca atctctctgt tcatcaccaa gaacaaaaca aaaaagaaga 180  
agaaagaaat atggctggag gatcatacga ggaagccatt gcagcgttga cgaagcttct 240  
cagcgagaaa gccgacctgg gtggtgt 267

<210> 36767  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808417H1

<400> 36767

atcaaaggag aggaaaagta ctgtgccact tcgcttgaat ccatgattga tttcagcact 60  
tccaagcttg gaaaaaatgt tgaggttgtg tccacggaag tagtggagga caaggaaacg 120  
ggattgcaga aatacacctg agcaccggga gtgaacaagt tatcagggga caaggctgtt 180  
gtgtgccaca agcagaacta cccttatgct gttttttact gtcacaaaac tgagaccaca 240

agagcttact ctgtgccttt ggagggtg

268

<210> 36768  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808418H1

<400> 36768

gccttcattg agtttacaga cgaagaaggt gcaagggtg ctttgaacct gtctggaacc 60  
atgcttgat attaccggt gagagtgcta cttcaaaaa ctgctattgc cctgttaat 120  
ccaacatttt tgcccagggtc tgaagatgaa agggagatgt gttcaagaac aatttattgc 180  
acaaatattg acaagaagct tactcaagcc gatgtcaaac acttctttga atctatttgc 240  
ggagagggtc aacggttgag gcttct 266

<210> 36769  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808419H1

<400> 36769

ctcgagccgc tcgagccgat tcggctcgag atttctgact tgttatcaca aaaagaatca 60  
cctgaacaaa ctctgcaacc tgatgatgag tgcaatgtgg aaagccagtc aaatgatcaa 120  
atatctgcat cgaccagcat ggaggatata tctcattcat cggaatatgg aatttctgat 180  
cttggggctg agaatactgc acctgctaaa gaagtttgga aagctccaaa ggccggagaa 240  
agggcgcaaa aagaaatcat tga 263

<210> 36770  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808421H1

<400> 36770

gccggtcct catcgaacca acgctcttct caattttggt gcctataggg acgccagggt 60

gaactgtctt ggaaattgag gacgaagtga atgcgataga ggcgcaacga acagagttgg 120  
 aggagaatag gatgttgcag gatgatgaga aagggaaatc atagatggtg cttgaaatta 180  
 ttggctgaca aaaaacaagt ggttgcaaca tgcctgagaa tatacatgat gaaatgaggc 240  
 ctaatttatt gatgcgacac a 261

<210> 36771  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808422H1

<400> 36771

ctagctccag aaaattagga tctgcttcag atctagtgtt tccctgtccc aaatcacgag 60  
 tccattgagt ttgattttgt ggatgaaaag catagatagg gcttttgcaa aactctccaa 120  
 tgtttcttga aattatatga ccatgcgtcg aattcgtatg ctgcactcct tctccgtcgt 180  
 gttcctctac tggttctacg ttttctcatg aactccctct taaatccgtg attaattaga 240  
 tctatctcct tagttaatc 259

<210> 36772  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808423H1

<400> 36772

cggctcgagc ggctcgagat cgaatcgtgc gatacgtatc ggtagaagct ggtatcgat 60  
 cgaatcgtgc gatacgtatc gtgaatcgta cgatactaac taccgtggtc tgaaccattt 120  
 taatttgtgg atcaaataac aaggctcctc ggtagaatt cctgatcggc catggctgat 180  
 ttccagacct ctaccacag agccaagtgg attttctctc ctcaacagct ggttgagaaa 240  
 tatagagctg ccaatcagag 260

<210> 36773  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808424H1

<400> 36773

cacctttggt cactcttctt ctcttgccgc tagggtttta gcgcacttct tctagattta 60  
 aggaagatgg gtaaggaaaa gggtcacatc agtattgtgg tcattggcca tgtcgactct 120  
 gggaaatcca ctaccactgg tcacctgatt tacaagcttg gaggcattga caagcgtggt 180  
 attgagaggt ttgagaagga agctgctgag atgaacaaga ggtctttcaa gtatgcctgg 240  
 gtgctggaca aacttaaggc t 261

<210> 36774

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700808425H1

<400> 36774

ctctctcttg caaaacctaa ttttcatttc ttccctcaaa tttcaaaatg cgtgagatcc 60  
 ttcacatcca ggggtggcaa tgccggcaacc agatcggcgc caagttctgg gaggtgggtt 120  
 gcgcgggagca cgggatcgac cctaccggaa ggtacggtag ggactcggag ttgcagctcg 180  
 agaggatcaa tgtctactac aacgaggcca gttgcggtcg gttcgtgccg cgcgcggttc 240  
 tcatggacct cgaa 254

<210> 36775

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 700808390H1

<400> 36775

tgaaacctcc attctcagat caagcttgca ccaaaatata tacatagcta tggacaataa 60  
 tactagtgcc tgtgcctacc ccaacttgag tcagaagaag catcttcaga gcacaaatca 120  
 gaaactcaaa catcaaagaa aaggaaaatg gttgagaaaa cagttgtgac tgagggtag 179

<210> 36776

<211> 251

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808362H1  
 <400> 36776  
 catttggtgcc catctctggt ttcgaggggtg acaacatgat tgagaggtcc accaaccttg 60  
 actggtacaa gggaccaact ctcttgaggc tcttgaccaa atcaatgagc ccaagaggcc 120  
 ctcagacaag ccactcaggc tccattgcag gatgtctaca aattggtggt attggtaccg 180  
 tgccagtggg acgtgttgag actggtgtcg tgaagcccg atggtggtga cttttggtcc 240  
 actgggctga c 251

<210> 36777  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808363H1  
 <400> 36777  
 gtttagttgc tgaaagggct gtgctgcaaa ctttagaaac gtctcctgga aattatttgc 60  
 aggctttgaa aagtattcca aggctctgag aatgttgtat gttcatagtt accaaagcta 120  
 tttatggaac catgctagca agtaagaggg tgcaaaaata tggaactgag aatgtagtat 180  
 taggggactt ggtatattgt aaagaaattc tactggtacg gtacagattt ggtgggatct 240  
 gatatgctga agactg 256

<210> 36778  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808365H1  
 <400> 36778  
 agaaaccttc tctgatcagg gacaaagggg acaggtggag tcaaactctac tgaggtgaat 60  
 ggttctgctg agaaggcaaa ggggaattcag gaagaaaagt tgtgggagat aaggtttctc 120  
 ttgatgacta ccagtaaaa gaaaatctca aggagataaa aatttcaact caatgatagt 180  
 tgaatcta atgttccaaag ttaggacaga accaaacact gaagagctgc ctaagaaggc 240

taatcaggag gtaactctct ga

262

<210> 36779  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808366H1

<400> 36779

gggagtgagt cactcttctt gcataaccca gatctgacaa tatgcgaaga actggcttgt 60  
tacatttggt atgccttggtc attgccttag taagtgtgca agcagaagat gcgtataagt 120  
attacacatg gacggtgact tatggaacta tttctccatt gggtagtccc agcagggttat 180  
tcttatcaat ggtcagtttc ctgggcctag acttgacttg gtgactatga gatgtaattc 240  
tcaacctatc aacaagctgg 260

<210> 36780  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808367H1

<400> 36780

caaaaggagc atcgagtagg tttcctactc ctttctcatc gttggcaaga tgagtgccat 60  
gaaattttgc cgtgaatgca ataacattct gtaccctaag gaagacagag accagaaagt 120  
tcttctcttc gcttgccgca actggaccat caggagggttg ctgataactt ctgtgtgtat 180  
aggaatgaga tacatcactc tggtggagag cgcactcagg tggtgcagga tgtcgctgca 240  
gatccacgct tcctcgaacc 260

<210> 36781  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808368H1

<400> 36781

gtcgcgctga tgggcaaaac tgtggcaact ttctcactga tcggccatct accaagggtc 60

atgctgcccc ggggtggtgga tcttcttgca ttacctcttt ggtgggcctc caggggaactg 120  
 attcatacta ccatgtgatg tatcatgtgt aaaatggata gtgtgcattg tgttttagacc 180  
 agtggacttt gtttcttggt caattgaatc tcttgacaat ttggtgtggc ttgatggcca 240  
 actaagctga ttcatag 257

<210> 36782  
 <211> 220  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700808369H1

<400> 36782  
 ngatgttgag ataataaaat aagttatctt gttcatattg gattgttata ctgtataatt 60  
 tctgatgttg acattgtcta cagtttgaca atgnntgtgc atanengttg aaagtgcttg 120  
 atcgtctttg ctcttggtccg cttgcgcatt tgctggcttt tctacattta attttttcct 180  
 tgacacgata ttaatgttat gctacctgtt cgtttttagtt 220

<210> 36783  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808370H1

<400> 36783  
 gcctcacaga ggtaggaag aatggcacct gtgctggttg aggccagatg gtaagacaca 60  
 agtaaccgtc gagtactaca atgacaatgg tgccatgggt ccagttcgtg tccacactgt 120  
 cctaatttcc acccaacatg atgagactgt gagcaatgat caaattgctg cggaccttaa 180  
 agagcatgtt atcaagcctg tcattcctga gaagtacctt gatgagaaga ccattctcca 240  
 cctaaccctt ctggc 255

<210> 36784  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808371H1

<400> 36784

aatcggtcaa aaccaatcta tctatctatt tggataagc atggagcttt gttggcaaaa 60  
atccatccat ggctcttaaa gaagcttgga ggattttgtg tgagagggtt ctcacccttc 120  
acactccacc tctacagtt tgcttatgct ttagccattg gtttctctaa tcaatcacca 180  
caaaagggtg tacatggagg aacataattc tctgagtggg ctgaagcaga gaagctatgg 240  
ccacatctta gc 252

<210> 36785

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700808372H1

<400> 36785

aacaaaatca tatcgagaaa ttgtttacac agattcctcg taaggtgagg attaccacaa 60  
ctagaacagt tctatgtggg aatctcaact tacgaggaat ctgtgtaaca aaatcagtat 120  
cgagaaattg ttaaagggga tgaaagaaag ctgtgtttga taac 164

<210> 36786

<211> 198

<212> DNA

<213> Glycine max

<223> Clone ID: 700808374H1

<400> 36786

ctacgaccag gaatgaaatc ctcaaaacgg cggcgtttga acgaaacgca tgatcgcat 60  
cgcaggtcac ttcgcttcgg ccttctcttc atctcgctgt tgcctgagaa cactgcggta 120  
ccttttctcg ttttgtagg taagtttctt cacattcggt atcgtatctt ttcgaatttc 180  
aatcttaagc gattagtc 198

<210> 36787

<211> 250

<212> DNA

<213> Glycine max



<223> Clone ID: 700808375H1

<400> 36787

atcttctagg gttttattca ttttccgatg gttctgcaat gttgagtacc gttgctttgt 60  
 cgggtgggctc gcttgggcac tgacgaccat gccctcgaga gagccttctc tcagtacggc 120  
 gaaatcggtg aaacgaagat tatcaacgat cgtgagacgg cagatccagg ggttttggat 180  
 ttgtgacctt cgcctcggag cagtccatga aagatgcgat cggagcgatg aatggtcaga 240  
 acttggaagg 250

<210> 36788

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700808376H1

<400> 36788

atctcacctg ataatgatgt tgctccgagt gtccaatgat ccaaagaaat gaagtttgct 60  
 tcccccaag agctgctcag gtcaaactcc tctcccaaag gaaaggaatg aacagcctgt 120  
 gaatgttcat agagttgaaa ctcttgcaat gaatggctca catctgtacc tcaggtaact 180  
 ggaggagctg tcagttctag taacttagtt gcctctacca gaaagcgtgc cttctgtgac 240  
 gggccagaca c 251

<210> 36789

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700808377H1

<400> 36789

gagcaacatc aagctttatg tcaggagggt gttataatgg acaattgtga ggagctcatt 60  
 cctgagtacc ttggatttgt gaagggtgtg ttgactccga tgacttgccg ctcaacatct 120  
 ctctgagat gctgcaacaa aacaagatct cgagggtgaca ggaagaatct ctgaagaagt 180  
 cattgagatg ttcaatgaaa ttgcggagaa ctagaagtta caaaagttct agatgctttt 240  
 cgaga 245

<210> 36790  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808378H1

<400> 36790

tgcttctctc tccataataa caaaaccaac accctcttctc tctttctctc ttcttcattt 60  
 ccaatgctgc agcaatctgc aacttcatag gcactacgac agaccaatt gaattcccga 120  
 gaaaaattga agagaaaaaa ccgtaaagtt aggatctttt gtgtgatttc gatgggtgcg 180  
 tacagagcgg acgatgatta cgactaactt gttcaagtgg tgttgatcgg agactcaggg 240  
 ttgggaaatc g 251

<210> 36791  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808379H1

<400> 36791

gtttgacagc acagcactcg gaaatttctg gcactctctgc gttttcccct attttttctg 60  
 aatcccacag aatggcatcc aacaggggtc aaggtggaat tcagcagttg ttggctgctg 120  
 aacaagaggc acaacggatt gtgaatgctg caaaaaatga aaattggcta gggtgaaaca 180  
 ggccaaggag aagctgaaaa aggagattgc tgaataccga ctcaactaga ggctgagttc 240  
 aaaagaagtg tc 252

<210> 36792  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808380H1

<400> 36792

cgttcatgga tccagtaagc gtgtggggta acacgccctt ggcgacgggtg gatcccgaga 60  
 tccatgacct catcgagaag gagaagcgcc gtcaatgccg cggaatcgag ctcatcgcc 120

ccgagaactt cacctccttc gccgtcatcg aggccctcgg aacggtctcc acgaacaaat 180  
 actccgaggg catgccgggc aaccgctact acggcgggcaa tgaataatcg accagatcga 240  
 aaactctgcc gctcagcg 258

<210> 36793  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808381H1

<400> 36793

gttcgcaaca cgatcactat tctgcgacga tgggtggcaca ttcgagttct tgggtggaagg 60  
 gcactcgtcg cgatctcgcc ctacacttct ccgccatcgg catcgccgtc gctatcggcg 120  
 tctccgtcct cggcgccgcc tgggggatct acatcacccg aagcagcttg atcggcgctg 180  
 caatcagggc tcttcgaatc acttccaaaa atctcattag tgtaatcttc tgtgaagctg 240  
 ttgctataat ggtgttattg t 261

<210> 36794  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700808382H1

<400> 36794

gagaatgtct agctgtgggt gtggaagcag ctgcaactgt ggcagcaact gcggttgcaa 60  
 caagtactct tttgacttga gttacgttga gaagacaacc acagagactc tagttttggg 120  
 tgctgnngcg tgaaggccca attggagggt gctgaaatgg gtgttgcatc tgagaacggt 180  
 ggctgcaact gtggatcaag ctgcacctgt gacccatgca actgcagtaa ggtcaagatg 240  
 tataccttga agcag 255

<210> 36795  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808383H1

<400> 36795

gcaagttcga cgctgagatt gtttactctc tctaaaacgc catcacgtga ctcacatgtg 60  
 cggcgcgccg gtggtgctca acatgttaac caacgcgaac tccccgttgg agaaaccggt 120  
 tcagatcctc accgcgggag gccgcctcct gcggcggtgc tctcagaaca gaggctttgg 180  
 ggtttgtcgt gagtcacggg tatggtttga ctgagaccgg agattggtgg tgtcatgcgc 240  
 tggaaggggg 250

<210> 36796

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700808385H1

<400> 36796

gcacggccat gctaagtgtc actttgttgg gatgatattt cactgccaaag aagcttgaag 60  
 atattgtgcc ctcttccac aactgtgatg ttcccatgt gaatcgtact gattaccagt 120  
 tgattgacat tgctgaggat ggattcttag cttgcttact gaaaatggga acaccaagga 180  
 tgacctgaag ttacctacag atgagagtct gcttactcag ataaaggatg ggtttgctga 240  
 ggtaagga 248

<210> 36797

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700808386H1

<400> 36797

gagagacagt gaaagaaag gaaagggatg acgctgggtc tgatcaatgc gaatcctgtg 60  
 gttcacgcca agaaagagcg aatcgtcgt tctgatgatc ctcacgccga tgacgcggtt 120  
 gatctctcga catctatgat ttcgtgaggg atattcgga tccgaacatc cttattccct 180  
 ggaacagctc agtgttctct ccgaggaatc tatctccgtt gacgacaaat taggcogaat 240  
 ctgataactt tac 253

<210> 36798  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808387H1

<400> 36798

tgacagtgt aatgcaattg agtttggttag aataagaatt gtcttccaaa gttgaaaagc 60  
 ttcatgagga agttgacatt caagagcttg gtgaaatata tgctgaagct caacaatata 120  
 tttttaattt gcaatctcgt ttgtcttcta tgaaaaagga gctgcatgaa gtaaagagga 180  
 aaagtgtctg tcttcaaata caacagtttg ttggagaaga aagaatgatt tattgga 237

<210> 36799  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808388H1

<400> 36799

aacagtcaaa actttcatct ttgtcatcca cttaaccag gtgtaaaaat gtcagcagtg 60  
 aacatgtcca ctatgagact tcaagagctt ccttgtcttg aacaacacca gctaggagat 120  
 catgtgctct taaaaagagt ccatcatctt tgaggtctgt gaagaatgtg tctaaagtgt 180  
 ttggattgaa atcatcttcc tttagagtgt cagcaatggc ggtataaggg agctgattgg 240  
 a 241

<210> 36800  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808389H1

<400> 36800

actcgagccg attcggctcg agaaagccca gaaagaagta ttgaaagct aacaaacagg 60  
 atataactgt tgccatgatg aagcttacctt attactcttg cgaaaattca tttcagataa 120  
 agcaaagtct catcactggt tgagattggt ttgcatatga acttgaatac tattccttga 180  
 agaggcagga acagaatttc aaaaatttac tccaactcgt gaaagaagca tttttta 237

<210> 36801  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808361H1

<400> 36801

atatgctcat ctacttactg ttggaggggc ctaaagatg ctccacataa aactcagata 60  
tcatgccgca ctgaccgtgc tggacttatt gattctgctc cttggataag aattccatat 120  
ccatttcaat ggggagcacc ttcatttgat gcaggtgaag cctttgccat gatgatggca 180  
tcttttgttg ctcttggtga gtccagtga gctttcattg ctgcatatag gtatgcaagt 240  
gcaagccatt gcca 254

<210> 36802  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808334H1

<400> 36802

atctggatcg aggttctcgt aattggctac atagagttcc agaggaacgc agagctggac 60  
ccagaaaaga ggctgtaccc aggtggcagt tacttcgacc cactgggcct ggccctcagat 120  
ccagagaaga aagccaccct tcaattggcg gagatcaagc acgcccgtct cgcattggtg 180  
gcttctgggc ttgtagtcc aagctgccgc cactggcaag ggcccgtca acaactgggc 240  
caccacttg aggacccatc ca 262

<210> 36803  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808335H1

<400> 36803

gtggaagcat atagatccat gttccatgaa ttgcggaaac ttcaggtcga agaagagatg 60  
cttatgcgca agatgcatga agttatgtca gctcatggtc cactaaaag ttagatgaa 120

gaagaatcag tagcacctga agcagtacta gcaactagag aaggggagcg aatggcaaga 180  
 caatttctga agctcactgg tagaggaggc acttgggagg catcagagac gagacagaga 240  
 cgatcaagga gttccc 256

<210> 36804  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808336H1  
 <400> 36804

cgccaccgtt ttcacccact ccacgccacc gtcgtggctc acccccgcca aaaccaccct 60  
 cccaattcca ttccattttt tacccttcc agcgctccga attccaattc gcccgaatcg 120  
 cagttcgggtt ctcgatctcc aagaaacgga gtcctaaaaa tagttctttt agggtttctc 180  
 tgtctcgggtg gttttgggat tgaaactttt gttccgttta agaatggggg atcgagggtga 240  
 agacgaggat tgcaaatggc g 261

<210> 36805  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700808337H1  
 <400> 36805

tctcgaccga ttcggctcga ngaacacatc acaccttcaa acccgagtcc taaccctaga 60  
 agttagataa aaaccacaaa cacacaatca gtactaccaa ctagggtttt tgtcatggct 120  
 agtttgcaaa ctagggtttc ttgatggccc tctgtgcttg ctggctcttg gtgcaaccat 180  
 tattccaatg gcacaagggg aagtgtcatg tggccaagtt gtgagtaacc tgaccccatg 240  
 catctcctag tgctatatgg tgga 264

<210> 36806  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700808338H1

<400> 36806

gtcggccgaa tcggctcgag cgaagggtt caacggtttc caaagtttgt agcttcggtt 60  
 gctggcgtgg gaaagtcttc atctttgaag atgaagtctc aggttctcag atcttggtcc 120  
 tcttcttctg agttcagggt ataaagcttg tctttcatgt aaatagaggt tacccaatag 180  
 ggtcaattcg cgcttgagag cttcaactgg ggctcagatg agctttanct agggacagtt 240  
 cagaatgggtg ggaaaagg 258

<210> 36807  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808339H1

<400> 36807

cggggaaccag atttccacca ttctgagtaa cttcacacac catataacag aaaatgaggt 60  
 ggggcttgtg gcaacttgcg gcaatcaatc cctcgccgtc ttgctcacgg taataataaa 120  
 gctgttgctt gtcgatattt tgccctcagat gctgagctga aaaagacagt cctttatgac 180  
 ttccatgttg ctaatggagg gaagatgggtg ccatttgctg gatggagcag ccaatccaat 240  
 acaaggatca attatggact c 261

<210> 36808  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808340H1

<400> 36808

tagcttcagc tgatagtgtg gcgcactctt acatggatga cgatcatcacc ctcgttttgg 60  
 gaagcttcat tctcgccctc gccgtcgaac gctacaacgt tcaccggaga ttggccttga 120  
 atgtaacact gctgttttgt ggcgacccgg ttaatccagc gctgttactg ctggggctgt 180  
 gcgcgacgat attcttcgtg agcatgtggc tgcacaacgt ggcgacggcg gtgatgatga 240



<210> 36809  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808341H1

<400> 36809

gttgatgttg acaattctcc cagctttgtt gccatcatgt cagtcctatt gagtatgggc 60  
 atgttttgct gattccgcgc attttcgagt gtttgcctca aaggattgac cgtgagagct 120  
 tcttccttgc acttcacatg gcagttgaag ctgataatcc atattttcga ttgggttaca 180  
 acagtttggg cgtttgcaac cattaaccat ctccacctt ccaggcttat tatttggtc 240  
 tgccttccca attgagaag 259

<210> 36810  
 <211> 191  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808342H1

<400> 36810

ctcaacctga atgcaatgaa caagttggag gtgttgaagc catggactct ctcattctca 60  
 ttccggcgag cactgcaaca aagcacactc aagacatggg gtggaaagaa ggagaatgtc 120  
 gccaaagctc aagaggcatt tctggcaaga tgcaaggcca ttctgatgct actcggggaa 180  
 tatgttgttg a 191

<210> 36811  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808343H1

<400> 36811

cgcagaagaa gaaaactgaa gcattttcta ttgaaagtta ttgatgaagt tgccagcatg 60  
 taatttgaag ttgaagcact agcatatttg gcgttttgaa aaggataaaa atgtgccct 120  
 tgattaatat atgcagttca atagtgtctg agtgagcgaa ttgaagacgt tggaaatggt 180  
 tctatgtact atttggttg tatgcttgta ttacaacgct aatagaatat taaatgagct 240

00220"EFFE50

tgcgagaaaa aataaaa

256

<210> 36812  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808344H1

<400> 36812

acgcgtcctt cttcttactc ttgcttcccc tgttttttct tctgtttttc actggcaaca 60  
acaacagcac atacaaacaa accatgaacc tttcgtggct gcggctgttt tgttgttgtt 120  
gttggtgggg tggtggttgt tgatgccagg tttgtggtgg agagagcagt ataactgttc 180  
tgtccccgca taagctgaac gcgaacgctg atggcgccat cggttaacttc 230

<210> 36813  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808345H1

<400> 36813

gtgcagagta gagcagcaga gaagagagaa aacggcactg cagccgtaga aggaaaaccg 60  
accatggtgc acgtctcctt ttacaggact atggtaagac gtttaagaag ccccgccgtc 120  
cgtacgagag gagcgtctag acgcggagct gaagctggtg ggggatacgg ctccgtgcaa 180  
aaggggctgt ggatggtgca tacgcgctca gccgctccgc aacaaccgcg gaatctctac 240  
cctcg 245

<210> 36814  
<211> 259  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700808346H1

<400> 36814

nagtaaattc ctatcatttc ctatatcatc taaaccttct ttttaacaaaa accaaaatga 60

tgaacaagca atctgtcttg cccttctcac tagcattgct agtttcattt ttgaattgca 120  
ccaccacctt agcccaatta tcaccagctt ctgccccctt caaaccaccc aacctgctcc 180  
taccatacca gctgctgctc ctcaacaacc attgggttctt tcattgccac aatcaccaag 240  
tgattccacc ctgacagta 259

<210> 36815  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808347H1

<400> 36815

gaagtgaggt tgtctttcaa agatggaaga ggagacattt gaaaaaccat tgttgaagaa 60  
aaactatcat gagaattgtc ctggttgtaa ggtggatcaa gccaaaggagc tcaaaaagga 120  
tgtttccttt agaaatcttt cttatatatg gctggcgggtg ttatgtggca ctttgcctgt 180  
agcatcattc tttccctttg tttacttcat ggtgaaggat tttaatatgc tgaaacagag 240  
gaagcataag tactatgctg 260

<210> 36816  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808348H1

<400> 36816

attgcggttc ggctcgagca acttctctct ttctacacaa ataactcctt ctcaagtgtga 60  
gcagttgata agagagatga tgatcaacgt gaaggaatcg accatggtgc ggccggcgga 120  
ggaggtggcg cggcgggtgg tgtggaactc caacgtggac ctggtggtcc ccaatttcca 180  
cacgccagcg tctattccaa ggtccaatgg cgcccccaac tttttcgacg gcaaggttat 240  
gaaggagcat gaccaggtgc ggtgccttct acc 273

<210> 36817  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808349H1

<400> 36817

cgttggtgga gaaattgatg gctgaaaatg cggaacttgt ggagaaggtc accgagttat 60  
gtgttgagtt ggatcaccaa agtgcagtca tgaacccaat gagatgactg aattcgctaa 120  
acctactggt gttgccattc ctccaccaga atctgctgag tatgcgctctg tgcgggcccc 180  
caagttgaat tcattggaag agacttcagt gaaggataat ggtaactctt ttaatgacgc 240  
taagcatgat gtggggtaat gtc 263

<210> 36818

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700808350H1

<400> 36818

agatatggct gaggaatggt tgaagtatgc aatggatttg agtggcttgt tactgctata 60  
ttcttcttta ggagatgctg aaggaatatc aaaacttgca atccttgcca aggagcaagg 120  
gaaaaacaat gttgcattcc tttgctatct atgttgggta aattagaaga ctgccttcaa 180  
ctgttggtag aaagcaatcg aattccagag gcagctttaa tggctcgatc ttatctccca 240  
agtaaggtcc agagatagtg gc 262

<210> 36819

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700808351H1

<400> 36819

gtttctttgt ttcattgactt ttgagtagca aagctgatgc ttagggacag agctgaataa 60  
gtgaaaacat tgcaatattc tactattatc ttttttggag attaattaaa gtagttccaa 120  
atatcattga gttcaagtag tacataatgc ccaccaagct tcaatcaggt ttttcatttc 180  
atgattaatt agttcaagta gtacataatg cccaacaagc ttctagatga gaaaactact 240  
gttattacat aaactttact t 261

<210> 36820  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808352H1

<400> 36820

ctcgagccgc tcgagccgca caaggcagaa agcaagctca tcctagagtt ttaaaaatgg 60  
cagcagcctc atccatggct ctctcttccc atccttggct ggcaaggccg tgaagctggg 120  
cccatcagcc ccgaagtcgg gagggtcagc atgaggaaga ccgtcaccaa gcaggcctcc 180  
tccggaagcc catggtacgg ccagaccgc gtcaagtact tgggcccatc tctggcgagc 240  
ccccgtccta cctcactggc g 261

<210> 36821  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808353H1

<400> 36821

cctactctca acacactgca gcgagaacca aagagaaaaa agcttcttcc attttccgaa 60  
atcgaagcat tagggttagg gtttttccga tctgagaaat tcgcggccca atggcggagg 120  
aaccggagag caccgtcacc accggcgccg ccgacgaatc gctgctcgat aagatcaccg 180  
agaagcttca cggccacgat tcttcgtcct cttcatctcc cgactcgatc cgactccg 238

<210> 36822  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808356H1

<400> 36822

tcaatttgty acactaaatc taagttacta tgactgcgca gaccaagag gagcttctat 60  
gcgcaacacc tcgaacagca aaagatccat gatgatgaac ctgtcgtcga ggatgatgat 120  
gacgaggaag tggatgatga tgatgacgat gaggatgatg accatgagaa ggactagaag 180

gtgatgcatc tggtaggtcg aagcagacca gaagtgacaa gaagagtcgc 230

<210> 36823  
<211> 171  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808357H1

<400> 36823

cgcaagtgtt gttgctgatt cagttcgatc cagtcttgtc tctttatctc tgcagaacct 60  
acaggggtggt tttttccggg caacaaattt gtgggggttca tcaaagttcg ctctctctg 120  
cagcataaat ttggcccata agtataatca atactcagta tttcttgagg a 171

<210> 36824  
<211> 163  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808358H1

<400> 36824

gtagaaaggt gaagttccag gtacgtgtgc atattcatca aagcatcatc aaagcacact 60  
gcatectaac agcacacgta cgtgtgcata cttcatcaaa gcatcatcac agcacactgc 120  
atcctagcag cacacgtacg tagaaaggtg aagttaggat gca 163

<210> 36825  
<211> 162  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808359H1

<400> 36825

cttcxaaatc ctgtgatccc attccaatcc gttcgttcag ctcaatctca aaatctcaat 60  
ggccgataat gagcaaccga ataacgagga ggcaagtact cttctccacc agcccatcc 120  
ccaacaaat ccgaaccacc aacgccacat gagactcccg ag 162

<210> 36826  
<211> 255  
<212> DNA

<213> Glycine max

<223> Clone ID: 700808360H1

<400> 36826

gcggattcga caagtacgat gcttcttctg gtgagtaaatt ctctcttttt tcggtataac 60  
catgagcagc ttcttggttaa cttcccttac ttcctaacg acgcttcgtg gcagcatgag 120  
ttctctcacc agtcttgctc cactcgaagc agtgctcttt gatgttgatg gaactctctg 180  
tgattctgat cactccact attacgttgc gctgaaattg ctccaagagc ttgggttttaa 240  
tggaggtgct cctat 255

<210> 36827

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700808333H1

<400> 36827

caaagaggct gaaattgccaa aaaggcaaag aacgattcag gtgatggaca tccatgagtt 60  
accgaagtca aaaccaaga atagatgcct tctttgggaa gaacaaaggt ggtggtggtg 120  
gtggtggttc tcaggaagc actggtgatg gtgattacta ttatgatgat gcatgttttt 180  
ccattgttgg tgccattttg cgtgtaaaaa agccttgtgg gaggggtgcg gatataatca 240  
agtcccaaac cctgttcac atccctgtgg aa 272

<210> 36828

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700808304H1

<400> 36828

gtacgaatca tgtcaaaaat attcagaagt atgtttgaag ctgtgccacg agatgaacat 60  
caaggcaatt gatctatggt ctgcactcca gaaaggggta actggagaga tgtttgtttc 120  
acggatggaa ttcatcttac ttctgagggg agcaatatag tggcaaaaga gatcttgaag 180  
gtcatcaaag aagcagagtg ggaaccttgc ctgcactgga attcaatgcc actgaatatg 240





tccaattcta agcccctttt tctcaaagca aagaaagaaa gccttgaggg ttcgcagaga 120  
 acagggttgag ttctagttcc aattatagaa caaagaagaa gagcaattca aaaccctggg 180  
 tcagatcaca cgcgcacaac gttttcctac ctagacacac tttttgacct caaagttgaa 240  
 gggaagaaat cgcaccctct gatgc 265

<210> 36832  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808310H1  
 <400> 36832

gttgcaatta gcaaaagtgg cacaaaggaa gaaaaaagaa gaaattctga agcaggccca 60  
 atccaatagg ggcgctaagc gcgcatacagg cgctaagcga gcaactaact gcaggcgctg 120  
 agcgtggcgt taacacgaag gtggaaaccg ttacgcgcgc taagcccagt aggcgcccag 180  
 cgcacgatcc aacagaagca caggcccagc gtgcatggtg cgcccagcga cgatctgaac 240  
 gcgctaa 247

<210> 36833  
 <211> 129  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808311H1  
 <400> 36833

attcaagatc gagaaggaag cttccaagta cggaatctgc aaatcatccc tcccttccca 60  
 ccttcttcca ggaagaccgc aatcgcgcac tcaaccgctc actcgcgagg accgggtcca 120  
 cattcacca 129

<210> 36834  
 <211> 91  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808312H1  
 <400> 36834

atcagatctc cccatgatta ttgatcaata agtcgtgtcc taatttcgtt ctaaatacat 60  
gtattttgtt aaaaaacgca tatgctatgg t 91

<210> 36835  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808313H1

<400> 36835

gactctggaa agaatgggga tgtttttctt tgactcttcg gtgtacacgc caagtgtctc 60  
gccactttgt ctgccaaatg gattgattat agttcttaca aagaggtctt ggaagctgaa 120  
cccctgagtg gctccctgat agttctacta ctgtttgtat gcaatgtagt gctcttttac 180  
tgcgttacgc gtggtagaca tcattgcagg ttttgtgggg ggattttctg tcgaacagta 240  
c 241

<210> 36836  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808314H1

<400> 36836

gcacggagct ccgttcagct gaacccttcc tccgtcgtgg caagcaccac ggcaaagaca 60  
tcatcaagaa gtctcagagg aagagcagca ggtacctctt ctccctcccc ggcttaattg 120  
ctcccatcgc cgttggaag atcgggtgacc tcaaggactt gggcaccaaa aaccccgttc 180  
tctacctga tttccccag ggtcaaata agttattcgg gaccatttat atcaaagaac 240  
agatactgac tctacag 257

<210> 36837  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700808316H1

<400> 36837

ggccgttcaa tcagggttcc cttcatgacg agcaggaaga atcagtttat tagggctttt 60  
 gatggtttca aagtccttgg tcttccttac aagaaggtga agataagcgc caattcacca 120  
 tgtacttttt ccttccagaa acaaaagatg ggctgttagc tttggctgag aagttggctt 180  
 ctgaatctgg gtctttgaac gcaagccttc ctaataacaa attggcagta ggagacttca 240  
 ggatctcaag atcaaaattt ctttgg 266

<210> 36838  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700808317H1

<400> 36838  
 cgcgtttcgg agagagacgt cgcaatnggg gaggaggcct gcaaggtgtt atcggcagat 60  
 aaaaaacaag ccatacccca aatcacgctt ttgccgtggt gttcctgac ctaagatcag 120  
 aatttatgat gttggtatga gaagaaaggt gttgatgagt ttcccttctg tgttcatctg 180  
 gttagctggg aaaaagaaaa tgtttcaagt gaagcattgg aagctgctag aattgcatga 240  
 acaaatatat ggcgaaattg ctggaaaa 268

<210> 36839  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808318H1

<400> 36839  
 gtctgcatcg tctgcacagt tcgattcagt tatctccaga tttcatcaaa tactgcggat 60  
 atatctatac atctatattt ttttaaaatt tttgttgaga ttggatgtgt aggattgaat 120  
 tggcttgttt cttgttgtca ttgttaaatt ccatgtattt atttcatcgc acttgtagt 180  
 ccgagtctgc tgacacccat tgagccataa tgcaacaata ggtttgggtt gtggggtaat 240  
 gttgtttgtc attaacgtta atgccttc 268

<210> 36840  
 <211> 263

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700808319H1

<400> 36840

gtttgggaga gaacatttaa atatcatatg atatTTTTgc ttggattgta ctgaactagt 60  
 tgggtcaatt cccttacagt tcgctccttt cctaagtatt agtttggtgt ctaagacgag 120  
 aatttgaatt atatataaga tttactgtac tttataactt tcaactgcttg acttattgat 180  
 ggaataaattt aatttgagtg ccatataagg tcatcagtc tccaaatttt cttgtaataa 240  
 ttgaatttcg tgatttatat taa 263

<210> 36841  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808320H1

<400> 36841

gcaccccttt ggttcccacc ccaactggtgc ttgatttagg aggtcctttt ctctggcttc 60  
 actgtgcatc acgcaacaca ccttcactctt cttccctcac cacccttac cgttcccttc 120  
 aatgcttcac tgccaaaccc acaaatccac caactccttt ctctccagcc ccgtcgacga 180  
 gtcgccagta ccaccatgcc aagtgttccc gaaaacagca tcacggaaca tcgccccgaa 240  
 gagactcgtg gagactc 257

<210> 36842  
 <211> 93  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700808321H1

<400> 36842

gtcaacgcca ctattnttc catctcacc agaatataga ggcagtcac tcactttct 60  
 ctctgttttt ttttggcctc cgtttcagcc ttc 93

<210> 36843

<211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808322H1  
 <400> 36843  
 ggcattcttc ttgaggccag acaaggattc caagtatcga acatttggaa tttgtatcac 60  
 agttggtttg gaagaatggc acttttcttt gcagcattga atatagtcct ggggatgcga 120  
 gctgcgaggag caggaatgat tggaaggcag gctatgggtt ccttcttagc attgtacttg 180  
 tcgcagttat cgttctggaa gtcttggcgt atttgaaaag gtcagaaaag cgttctcttc 240  
 ctcagatttc caaatggacc a 261

<210> 36844  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808323H1  
 <400> 36844  
 ggtaaacagt ttgaggaagg tacaactcta ccagcatttg gcttgactga aaagggggag 60  
 agtatgtatg accctgcaaa atacacttct ttgaggggtga aacagctatt ggtggcgtaa 120  
 cagcatatgg tgaaagcata gttgatcctg aagcaactga aatggaatat caaggttcaa 180  
 atgtatctcc tgatttgtca ctgtcaaaga acttggtcaa agataacgat acaacacttc 240  
 agatctcttg tggagcttg 259

<210> 36845  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700808324H1  
 <400> 36845  
 gactggggag gatgagatgg gggtcgaaga tgatggggag tttgaagatg acgatgaaga 60  
 agaagactat ggtgctgggt atcttgttca gccagttgga cagtctgatg ctctcaatgc 120  
 tggaggagtg atgtggatgg tggaaatgat gacgatggtg aagaggaggt gaagttgatg 180



<210> 36849  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808328H1

<400> 36849

tttccctct tcttccctc tctcgtgta tccgcttag ttttctcggg aaaatcatgg 60  
 tgaaagggtcc aggtctctac tctgacatcg gcaagagagc tcgcatctt ctgttcaagg 120  
 attatcagaa tgaccacaag ttcaccatca ccacttacac ttccactgga gtggaaatca 180  
 cttcaactgg agtcaggaaa ggtgaaatat atctggccga gtcagcacta aggtgaagaa 240  
 caagaacatc acaactgatg tca 263

<210> 36850  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808329H1

<400> 36850

gttaatttgc ttcccttttt tcacactcac tctcactaaa tggcttctc tgttgcttta 60  
 gttttgggtc tatgtctagc actcaacatg gttctgccga cacgtgcagc taccacaca 120  
 gtgggagaca cctcagggtg ggcactcggg gctgattaca gtacatgggc cagtggcttg 180  
 aaattgacag tcggagatag tcttggtttc aattatgggg ctggtcacac agtggacgaa 240  
 gtgaaagaag tgattacaag 260

<210> 36851  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808330H1

<400> 36851

acaagctttt gcttgtttg gtgttccagt tccagttaga gccatgtcca tgtcctttct 60  
 ctttaccttt accatcatca tcagctttgg cttgtgcatt ctttatgcat ctgcagaact 120

ccagagatta tcacactctt ccaaacatga tgggtgctctt agcttcttgg tgcttggtga 180  
 ctggggaaga agaggcgctt acaaccaatc acaagtttct ttccagtggg aaggttggag 240  
 agagctgata tcgacttg 258

<210> 36852  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808331H1

<400> 36852

gggggttaaaa aatatcgatt aacctctgat atttctctta gctgcagtct gcagtgagaa 60  
 tcggaaaatc tccgaaccgg ctacttccta tcctttcaaa agagtgtgac tgtaatagtg 120  
 agctaaacaa catcggcagc tagatcgctg aagaaaa.cga aaaagaaaag ctttgaaaat 180  
 ggctcaagga gtcactctca gaaacccccg atatctcgcc cccttcgtct actgcacaat 240  
 cgaagccaga tcatctgctt tcag 264

<210> 36853  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808332H1

<400> 36853

gcttttttagt ggtgacggac agtccaaaaa gggccggaga ggactaaatg agatgcctct 60  
 tcctccaagc atttaccaaa gattgacatc aagttctact ctaatgaatt tggcgcaggc 120  
 tttagcttac cataaatgtg ttacgagata tgccgctgca ggagctgcaa cgaccagga 180  
 gcagcggact attcaaaatc tatctgacac ccttcgaacc attcttcggt tgtaggtcaa 240  
 tggcatggtt gtgtaactag ta 262

<210> 36854  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700808303H1



<400> 36854

cttctatggc tggccttcaa caatacaact tcttccccac cgattcttgt acctcgtcca 60  
 caaccccaac aagcttctcc taaaccacc atgcttcccc tccaaacccc taatgttcaa 120  
 gatcacactc agcaccacaa ccaccaagga ccaatgccac cccttcaact tcttctgccg 180  
 ttgtttatag ccaaaagggg cattctattg ctgccgttga cgacaacaac aagtctccaa 240  
 attctcatca gacctctttc ttggttgct 269

<210> 36855

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700808302H1

<400> 36855

ggagtctca aagatctatg cttacctctt cctctgcatg atctttctct cttccgccac 60  
 tccattctc ggttggtggt actgtggcaa accctccaaa aagcacaagc ctggtaaaac 120  
 accaaagaca cccaaaacac cgttgttaag ccaccagtca ccatccctcc cattaatgtt 180  
 cctcccgttg ttcttcacc aatagtgaag ccccaggta ttctccctcc aattccatta 240  
 ttaaccacc aaccacacag ggaagggagg g 271

<210> 36856

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700946468H1

<400> 36856

gaagaggcag ctgacaggct catgggcctt atatgtgaga caaagggaaa tcatgaaaca 60  
 gctcttgagc atcttgtttt agccagcatg gcaatggtaa ataatggcca ggaagcagaa 120  
 gtggcatctg ttgactgcag cattggagac acatacttgt ctttgtctcg atatgatgag 180  
 gctgcctttg catatcagaa agcgctaaca gttttcaaga ccagcaaagg agag 234

<210> 36857

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700946469H1

<400> 36857

ctcgagcgtt caaattggct atagtttgaa agttctgcag cagatctagt catagaaatc 60  
 agttgtagat tgtagaaatc aattcattct tacatacatt acattacagt acaaaagaat 120  
 caaatggaag aaagatgata atccctgttc gttgtttcac ctgcggaaag gtcattggaa 180  
 acaaatggga tacctattta gaccttctgc agtcagatta cagtgaagga gatgccctgg 240  
 at 242

<210> 36858

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700946470H1

<400> 36858

gacacaataa taagtggaga ctctattgta agttctaaca gcactgagta acggcaaagt 60  
 ccttgctggt tgcttcatt cgcgatggcg ttgcaggaga ggctagacaa gttcaagaaa 120  
 cagcaagaga agtgccaaac gacactttcg accattgcag ctaccaaggc cgccgcggca 180  
 acccaaaagt ccgccacaca tgccctggca aatggaagaa acgctgcccc tgcggttaa 239

<210> 36859

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700946471H1

<400> 36859

ctctgctatc ccccatattc ctgtgtttcc ttgaaaaaa acagaagaag aaaaaacatg 60  
 tctaggtttt ttggattctt ctttgtgggt cttacgttga tgttggtcgg tgtggcaaatt 120  
 gctatggcta actcttccaa caaatgtgat caactcttcc aaccaagtcg ggcttttgac 180  
 cactttattc atgaaaggga tcttctcaaa ctcaaacttg acaaattttc cggggctgg 239

<210> 36860

<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946472H1

<400> 36860

gtgtgagtgt ttgatattct cgattaaata aatctcactg tctctttctc tctctctctc 60  
tgtctctgtg tttttgttgt gttctcttta ctacctcttg aaacccaaaag ggtcactctc 120  
tgtgctgtgg cctctgtttt caaaggaaac ccttggttctt ttccttgctt ttctttctta 180  
gcactgtctt ccaactccca actcatataa tttcattttc cctagtcttt tttgttttc 239

<210> 36861  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946473H1

<400> 36861

caataatcat tttaaaaaag cctccatcaa cgaagtgatc aaagttcctc ttttgaacct 60  
tcgtgcttcc ttccacgatc cttctcctct catcaaacc ccaatgatag aaagctgaaa 120  
aaagggtttc tgaaatatca gctaattgta ctgagtgcgt aatcattgag atctgccttc 180  
atcttggggg gattttgttg atgggtgctt gctggagtaa taggattaag gctgtgagt 239

<210> 36862  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946474H1

<400> 36862

cattatgtca ataacagcaa ggctgctcga gaggccatgt gctttttaat ggacccccaa 60  
actgggaaga aggtctgcta tgtccaattt cctcaaagat ttgatggcat tgataggcat 120  
gatcgttatg ctaatagaaa cacggttttc ttgatatta acatgaaggg cctagatggg 180  
attcagggtc ctgcatatgt tggcacaggg tgcgtatttt aggaggcaag ctttata 237

<210> 36863

<211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946475H1

<400> 36863

gaaaagcaaa accgtctgtt ttggcatcag aggacgcaac aacaagagca aggaaaacaa 60  
 agtcgaagat ttagagaaac tctcccatgt caagcctaata cacaagggaa aaactaaaag 120  
 gtgtgcttca acaactcctg ttggtgatga tgatgggtggc atcaatgttc atggagccaa 180  
 catagttgct agcaatgatg caggagtagc tgctgctgtg atcactgcag ctca 234

<210> 36864  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946478H1

<400> 36864

cataaacaat gttgttaaca tacaacttca aaaaagcaaa cccatcaacc cttttctttg 60  
 aacttattcc ttcttggtaa ccttaagaca cacacacact actctttcat tatggaattc 120  
 agatccaagt catgcagaga tgaaaggctg cagattgaaa ggtactgtgg aggcaagggtg 180  
 gcccacaaca gcatgcaaga tctgaggtgt tacagtgtga ataatgtgtc tt 232

<210> 36865  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946480H1

<400> 36865

ctttgttcac tcttcttctc ttgcggctag ggttttagcg cgctcttcta gatttaagga 60  
 agatgggtaa ggaaaagggt cacatcagta ttgtggcatc tggccatgtc gactctggga 120  
 aatccactac cactggtcac ctgatttaca agcttgaggg cattgacaag cgtgttattg 180  
 agaggtttga gaaggaagct gctgagatga acaagaggct tttcaagtat g 231

<210> 36866

<211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946481H1

<400> 36866

cattcaaaag tttttgaaat gttgtcacc cttcttttat ttctatgcct aactcttcct 60  
 ttgtttttgt tgtccttctt caaataccgt aaaaccttca agaatccacc acttccacca 120  
 ggtcctagag gccttcccat aatagggaat cttcatcaac tagatagtcc ttctcttcat 180  
 gagcagctat ggcattctct aaaggaatat ggtcctttat tttcccttca aattg 235

<210> 36867  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946482H1

<400> 36867

ccatcatttg ctgacacatg gggttgggtt atggcttcgg accaaccact atcgatttgc 60  
 gctgatgaaa tggacagaag aatcgaagca agaatagatg gggaacttct ctatctaaat 120  
 ggtgcttggt tccattcatc tacaactatg aacaaaactg tttaccaatc gctgcaaaat 180  
 gaaactcacg tgtacacaga agaaaatgct agatttattc ctggacatgg cat 233

<210> 36868  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946483H1

<400> 36868

ggaccaaaca gcatccgcgg cagcgacggt aaccctcaa caacaacact tccgctgcga 60  
 aaaatgtctc tgggtggcgaa cgaggatttc cagcacattc tgcgtgtgct gaacaccaac 120  
 gtggatggga agcagaagat aatgttcgca atgacctcca tcaagggat tgggaaggaga 180  
 ttcgccaaca tcgcttgcaa gaaggctgat gttgacatga acaaaagggc tgggtgagt 238

<210> 36869

<211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946484H1

<400> 36869

gggaaacatc aaatcaacat gctgagagtg ggcgcaaaga gggtttttga aacgacgttg 60  
 tttgggggta gggttccggc gaggtgttac cagcagaggg ttgtggatca ctacgacaac 120  
 ccccggaacg ttggatcggt tgacaagaac gacccgagcg tggggacggg tttagtgggg 180  
 gccccggcgt gcggcgatgt gatgaagctc cagattaagg tgcacgacaa aaccggaat 239

<210> 36870  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946485H1

<400> 36870

atcagaacct tagccatggc agcgttccag aagatcaagg tcgccaaccc catcgctcgag 60  
 atggacggag atgaaatgac tagggttatc tggaagtcaa tcaaggacaa gctcattttg 120  
 cccttcttgg agttggacat caagtattat gacttaggcc ttccttaccg tgatgagacc 180  
 gatgataaag ttacaattga aagtgcggaa gcaactctca agtataatgt ggcaattaa 239

<210> 36871  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946486H1

<400> 36871

tctgggtatg atgaatatgt tccaatggta gacatacctg ttgatgctgg ttggaagaag 60  
 caagcatctc tacagaggtc ttacacctct aaaggagcac ctctctctga cactcagaaa 120  
 actcctgaag ggattcaagc tcggatgtgg gtagcactgt ctatcttctt cttgactgta 180  
 ttaactctct tacgccaagt tgcataacct gtgaccaaga aatttccagc attatcttc 239

<210> 36872

<211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946487H1

<400> 36872

cttctggaaa aacttttcca acttttgatc ctaggactgg agatgtaatt gccaatgttg 60  
 ctgaaggaga tgctgaagat gtaaactcgc ctgtccatgc tgctcgcaag gcttttgatg 120  
 agggaccatg gccaaagatg acagcttatg aaagatcacg tataattttg cgctttgctg 180  
 atttattgga gaaacacaat gatgaagttg cagccataga aacatgggat agtggcaag 239

<210> 36873  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946489H1

<400> 36873

cagacatgaa ctccaatcac agtcacagca acagcagcaa tagcaatact tcatcccggc 60  
 ctacctctgc ttccaaacat gatgatgatg ttaatgaccg ttccagcatg cttggcatga 120  
 caatggatga tgatgatgta cagtctttgg aatcctatgc catggaactc tctggtccta 180  
 gataaacagt tactggggta acgaatacag ctagatagat taaggcgaaa gtaag 235

<210> 36874  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946490H1

<400> 36874

caacaatcct gaatgataac gggacactga cttcagtga tggttaactac aagtcagaag 60  
 agtcaagtga aaatgcagga gctgatgata acccaggatg gatatcagtg gaaaaagtgg 120  
 gaagtggaaa gtattaagca aacttggctt ggagtgggtg ttctaaatga tatcaaagaa 180  
 tatagctgag tatagatttg ttattcaatc ttgaatcaga aggggtgtcac tcaagg 236

<210> 36875

<211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946492H1

<400> 36875

gcaaccctat gtcgaaggtg gtttgtgtca ccggagccag tggcgccatt ggatcactgg 60  
 tggccctcct cctccaccag cgtgggttata cgggccatgc caccgtccaa gacatcaagg 120  
 atgaaaatga gacgaaacat ttggaggaaa tggaaggagc aaagagtcgt ctccattttt 180  
 ttgaaatgga tcttcttgac atcgactcca ttgccgtgc cataaagggt tgct 234

<210> 36876  
 <211> 81  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946494H1

<400> 36876

gattctgact gggcttcaga cctgatgat aggcattcta cttctggctg cagcactgct 60  
 atgttcgagt ccaaactatg g 81

<210> 36877  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946495H1

<400> 36877

ctttgttcac tcttcttctc ttgaggctag ggttttagcg ggctcttcga gatttaagga 60  
 agatgggtaa ggaaaagggt cacatcagta ttgtggacat tggccatgtc gactctggga 120  
 aatccactac cactggtcac ctgatttaca agcttggagg cattgacaag cgtgttattg 180  
 agaggtttga gaaggcagct gctgagatga acaagggtc tttcaagtat 230

<210> 36878  
 <211> 233  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700946496H1

<400> 36878

tttgaggcca ggcaagcccc actcaaccac cacacctctc ctcgttcacg ctaccccttt 60  
ctgctcttct tctacctttc aagttttaaa agtataaaga tggcagagac attcctattt 120  
acctcagagt cggatgaacga gggacaccct gacaagctct gcgaccaaatt ctccgatgct 180  
gtcctcgacg cttgcctcga gcaggaccca gacagcaaag ttgcctgcga aac 233

<210> 36879

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700946467H1

<400> 36879

ggcatgattg atagcggtcc tggaatgaag gctttggata tgaatgctgc agaggatgct 60  
attgtgaggc tcacgaggga gattgtgccc ggcatgattg tcaccggcat ggaggtggca 120  
gaaattgatg gctccccaag gatgggtccg acgtttgggg cgatgatgat atcagggcag 180  
aaggcggctc atttggcggt gaaggcggtg gggaggaaca atgcaattga tggaa 235

<210> 36880

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: 700946433H1

<400> 36880

cgccacgctc cttcttccca accctttctc caccaagctc cccgcccagc gctactcgca 60  
ccggcgcttc acctgctcct ccataccgc ccaatcacga tccgccaagg agcaactcct 120  
cgccctcatc gccgaccagg accgcgcat caagaccag agcgaccccg cgaagcacgc 180  
cgcgatcgct gaagccatca at 202

<210> 36881

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700946434H1

<400> 36881

gatggatctc tgaattgatt aaaccactgt taggcaacag tgtgatgcga accatctatt 60  
tatgaaacag caatttgagc ataggtcatt attgtagaat cttgttgaaa tgaatgaacc 120  
ttgtaaaatt ttgctacttt cactgcaaga ttaagctata aaatgcaaga acattgggtt 180  
agttcaactg attgcagact tgtagtggac ggcttggcca tctgttcaca gacgttaat 239

<210> 36882

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700946435H1

<400> 36882

atctgtgaga attctggagg ccaagcacga cttttactct gcagtaatcg gagagaaggt 60  
gtgcatgaag attggaaatg gttcatggtg cccaactggg agggaaatgga cactatcaac 120  
ttctggtcac aattatgctg tgtggcacia gtagtggtct gttggcatgt catgaccctt 180  
ctccactgga atcacagaga agagaaagga attacgtgct tatatgctt 229

<210> 36883

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700946437H1

<400> 36883

cgttcctcgc caatcaccac aatcacatgt atagcaaggc agcgtgagat gtgagctcga 60  
agtatcgaga agtgaatcca gagtgctaca cagcttgaa ttacagaaag ctgcccgttc 120  
aacatcttct ctctaactcc gattccgata ctactctat cttcgatgac gagctcaaac 180  
tcgtggagat tgcgctgagg aagaatttca agtcttacgg cgcgtggcat aatagaaaat 240

<210> 36884

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700946438H1

<400> 36884

cagcgacacg tatcttcac c aataatcgca gaagcagttt ccggtgcac tcacgtctt 60  
 ccaaaatgaa cgacgcagat gtctcgaagc aaatccagca gatggtgcgt ttcacccgcc 120  
 aggaagctga ggagaaagcc aacgagatct ctgtatctgc cgaagaggaa ttcaatatcg 180  
 agaagctgca gttggttgaa gccgaaaaga agaagatcag gcaagaatac gaacgcaaag 240  
 agcg 244

<210> 36885

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700946439H1

<400> 36885

tgatcctaga atagcacccc ccaaggatcc gattgtgagg aagcagttgg ctgtgattgc 60  
 tgccaagtgt gtgaggtctt gtagggagag aaggccctct atgaaggagc ttgttacttg 120  
 gctttgtggg ttgtgtaa at tgggtgcctct tcattcgtgg aatggtttta acaacccttg 180  
 catgatggct gagattgcag ggcgcccagt ggaagcggcg gcggcgggcg caaggaatta 240  
 tg 242

<210> 36886

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700946440H1

<400> 36886

tctcatgctt cttaaagtgt aagatccata tatctataat gactcacata tataataatt 60  
 acatagagca cataaaagaa gaaaagtaaa gcattaagca accaagatca ttggtcccaa 120  
 ctagtgttgt gcagcatagt ggtaataaag cgagcgagca ttgctagtaa cctgagcaac 180  
 attgagcatc ctagccctaa tagagtcctt gatctgcttt tatgtgctct atgta 235

<210> 36887

[illegible]

<400>	36887
-------	-------

<210>	36888
<211>	240
<212>	DNA
<213>	Glycine max

<400>	36888
-------	-------

<210>	36889
<211>	238
<212>	DNA
<213>	Glycine max

<400>	36889
-------	-------

<210> 36890

<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946445H1

<400> 36890

ggcagcagtg cgaagagaaa gaaagagaag aagcgcttat cgaactcgga cggaagcact 60  
gagttaactc agagcgagtg aaagtgttgc tgcgtgatgt ctggtggtat cgccccgtgga 120  
cgcctcaccg aggagcgcaa gtcgtggcgg aagaaccatc cccatggttt tgttgcaag 180  
cggagacgct gcccgatgga accgtgaact tgatggtgtg gcattgcact attcc 235

<210> 36891  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946446H1

<400> 36891

gcgtgaggaa gaagaagaag taccaggccc acgacccga taaccaattc aaagtcggcg 60  
acatcgcca gctccagaag accaggccca tcagcaagac caaggccttt ctgcactcc 120  
ccgttcccaa aaggccctcc agcaggcccg aggccagcc cgaggaactt tccattccct 180  
tcgagtccca gccctagaag actccagagt caccctcaa tttcactctc tcagcc 237

<210> 36892  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946448H1

<400> 36892

gaccgctacg gttcagaaag gtcggtggt gaaatccgcc ggagcgttgg ggatggtgct 60  
gtccaacacc gccgctaacg ggaggagcta gtggcggatg ctcatattt accggccacc 120  
gcagttgggc agaaagccgg tgacgctatt aagaagtatt tggtttccga tgcgaaaccg 180  
acggtgaaga ttttttttga gggaaccaag gtggggattc agccatcgcc ggtg 234

<210> 36893

<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946450H1

<400> 36893

cgcccttggtg ttggagatcg tgatgacctt cggctctggtg tacacggtct acgcaactgc 60  
cattgacccc aagaagggtg atttgggaat tattgctccc atcgccattg gtttcattgt 120  
cggcgctaac attttgttcg ggtggggcct tctctaggtg cggccatgga accccgctgt 180  
ggacattgtg gggcctgctt gtcgttgagc tggcacctgg gaccagatca ctggactcta 240  
ctgggggcc 248

<210> 36894  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946451H1

<400> 36894

ccgtgggtgc ttctggtgca ttatttggct tactaggagg catgctatcg gagctcttga 60  
taaattggac aatatatgcc aataagtttg cagcgttatt gactcttata gtcacgttg 120  
taatcaattt agccattgga gttcttcac atgtggacaa ttttgctcat attggaggat 180  
ttgtctctgg cttttttctt gggtttatct ttctgattcg cccccagttc aaatgggt 238

<210> 36895  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946452H1

<400> 36895

caggggtggg agaaagctac ctttgggaagt ggagcaaacg atcatgtctt ctggaattat 60  
gcttggtata attctggggt tattccttat tgttcgtgat accctaaacc ttgattttat 120  
caaagacttg ttgtaattat tgagaattct agttagtagt gggcttcaaa aagtatttca 180  
tgattctcat ctgcaatgct gttgcaccag tgtcttaggc agggatattc tgtagaggag 240

g

241

<210> 36896  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946455H1

<400> 36896

ccaaaatggt gaatcctcga attccacgtt caaggatccc tactttcaca cttttcactt 60  
cttctatctc catcggttctg tgcattttct tcgttctctc ttttctcttc actgcccatt 120  
cttattcctc ccatcaacac cacaacgcgg gttctgacgg tgggtgttgca catggatttg 180  
agtcgattag gagatccgtc ctagctctga aaacagatcc tctcaagcct cggttggacc 240

a

241

<210> 36897  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946457H1

<400> 36897

cgtatttaac tgccttaacc acctacttca gctacggctt gctcttcgcc ttcggccagt 60  
tcagggattt cttccgcaaa atcttcgact cgtgcagcgc caacaatctt caggggttacg 120  
cgccgatctg cttagggctc gaagatttct atattcgccg cttgtacctc cgaattcagg 180  
actgttttgg gagaccaatt gcgagtgtc ctgatgcatg gtttgatgta gtcgaacgc 239

<210> 36898  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946458H1

<400> 36898

caagttacaa attacaagaa gtaagtcaca tccatgtagt tatagtgatt gcgtttgtga 60  
ctttgtaact tgggtctcgtg gtatggagag ggtatagctt caaaggactc gtctctcggg 120

tcctcaggct ctgataggct ataggatttg ctggcgggtga ttacaaatca caagcattta 180  
 tcatggtcct tttcccatct tttgtgaatg gattggtaag aactgtgtca atcaaga 237

<210> 36899  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946459H1

<400> 36899

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60  
 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120  
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagtgt 180  
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtt 236

<210> 36900  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946460H1

<400> 36900

tatttgaac atttccttat ctatcttcac ctccatcttt taacagttcc cctcgaaact 60  
 tctgaagatg ggtggcattg cattcggacg cttggatgat tctttcagtt taacctcaat 120  
 caaggcctat attgctgagt tccattcaac cttgctcttt gtttttgccg gtgttggttc 180  
 agccatagcc tatggtaagt tgacatcaga tgcagcactt gatcctgctg ggta 235

<210> 36901  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946461H1

<400> 36901

cttagagaga cattgtggtt acccatagtc tcatatagtg tcatcacgca aaaaaattca 60  
 gcaacacaaa acaatgggtt ctcttatggc aggatgggtat tctaccaca tggatcctca 120



atcagccaca cttaaaagga accgctcact cactaaggat gaaattgatg cttactggaa 180  
 atcaaagaag aagatagagg aagaacacct tagagctatt tccaatgtgt cagag 235

<210> 36902  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946462H1

<400> 36902

ctcacaacct cttcttctgc ccagatgcaa ccatgaatcc ttttaataaca tgcatagaaga 60  
 aacaagaggc aactcaatac aattagttat ctaaataata atttctgctg ttattgcctc 120  
 cattttcatg taatcttact cgccaaaccc atcattgtat acatatcacg aataaaacgt 180  
 ggggtggattt ctcaataaaa aacaaaaaac agggcgggccc ccgatt 226

<210> 36903  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946463H1

<400> 36903

gtgactctgt gacaatgcct tctacagaaa atcagggctt ttcgttgctc ttttctcgt 60  
 ttggccgttc catatttggg gtcgggcagg agcaggttca ttctgtggaa gcaagtaatg 120  
 aatctgattc ctgtaattta gagctcgggt cattccaaaa gcgtgttacc gatcgatttc 180  
 aagacctttc tgtagctagt gatgagcaat ttctctcaat tgattggatt cag 233

<210> 36904  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946432H1

<400> 36904

cgcgtaacac tccgcattcg gctcgacaga ggtaaaaccc ttaggtataa actacaattt 60  
 tctatactta ataacaaaat gtgttatatc ttgttgactc attcattgat aattgcaata 120

aagatttgtg tgggattatt tctacaaaa aaaaaaaaaa aaaaaaaaaa caaaggggtg 180  
 cccccgtatt agggctctct tggccccgga gtttattgcg gacgggggtcc ctgagggggt 240  
 tcaagcttcc ccaaaggggg gcggc 265

<210> 36905  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946465H1

<400> 36905

aaaatgtcca tcctaagcac tgcagggagt ggaaaattca gcagtgaccg gacaattgct 60  
 caatatgcc aaggaaatttg gaacatagaa gagtgcgcg tgccataatt tctgctggat 120  
 gtgtgtctct tgcactcaag ttactgtata tagcaccaac agaataataa gtaaaaagaa 180  
 gtgaataata aaaattagaa ataattctgg aaaggacat gaggggattt agtttc 236

<210> 36906  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946466H1

<400> 36906

agcagcaatt cttatttatt tcagattaat acttgataac ctaqacaata tatctatata 60  
 tagaatatag atagatatat atataataga acgtaaaaca aaaaaagatt aataaataga 120  
 aaaaggagca tgttgattat atagaaagta aagggaaca atcatttttg ttaccatgg 180  
 gtaaggtcac catcgctgac ataataacct atataagcaa tgctgacatg aat 233

<210> 36907  
 <211> 199  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946401H1

<400> 36907

cgaagatact gttttgcaaa ccagcctgac attggtttgt ggaatattgc acagttcaca 60

acaacactac aagctgctca tttataaat gaaaaagagg ccaactatgc tatggaaaga 120  
 tatggaacga gatttatgga tgattatcag gttacaatga ccataaagct tggcctccct 180  
 aagtataata agcagatga 199

<210> 36908  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946402H1  
 <400> 36908

cataaaattt ggtagaattc ttatcatata tctaaggaat gtgtatgaaa ttgcaggccc 60  
 ttcttttccct gttagccctt attggttaggg ctgcaaataag gccagcagat tatgatagtg 120  
 atgaggagtt cattaatcca aggcagcaag tacaacagcc attgctcaac agactaccag 180  
 caggcccagc aacagggata ccggttgctg gaacaattga ccagcgtcca agcagaatga 240  
 tgc 243

<210> 36909  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946403H1  
 <400> 36909

ctcgagcgat tcggctcgga aaccacggat atacattgga tgcattgaaat ctgggcctgt 60  
 cctatcccaa caaggggtaa ggtaccatga acctgagtac tggaagtttg gagaggctgg 120  
 aaacagatac ttccgtcatg ccacaggaca gttgtatgcc atttcaaacg atttggctac 180  
 atacatatca attaaccaga atgtttcttca caagtatgcc aacgaggatg tgtcactagg 240

<210> 36910  
 <211> 90  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946404H1  
 <400> 36910

attattttta cactagaacg attatggaat ttgcctagag ttttttcaca aatgggtctaa 60  
tgagcttatt agcctacgta gcaagaagtt 90

<210> 36911  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946405H1

<400> 36911

cttggcaata taataaccaa caaacttggt caggttccaa ctcttcgaac aaactaacta 60  
gctaggtgag aaaaagagaa acatgccttg cctttacatc accaccaacc ttaacctaga 120  
tgaggttgac accaaccctcg tcttttctga agccaccact gctgtctcta caatcattgg 180  
caaacctgag aagtttgtaa tggatcatatt gaagtcacga gtaccaatat catttgaggg 240  
taaca 245

<210> 36912  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946406H1

<400> 36912

acctactctc cgctcccaag agcacgcacc accactattg cacttcttcc tcgttctccc 60  
tctttttctt cttcttcgct aaaccctttt ttctatctca ctaacacaac aatgggagac 120  
gagaagaagg gcaagcctgc tgcttcgggc gtgtgggtcca ccatcaagcc tttcgtcaat 180  
ggtggagcct ccggcatgct cgccacctgc gtcattcaac ccatcgatat gatcaaggtg 240  
agg 243

<210> 36913  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946407H1

<400> 36913

gtgcattttc tacattgcaa caccgcgata tgaacgatgc aaaatagttt cagatacgtc 60  
 gcgttgattg attgatatga agtggttgac tttctggaac tgcatactta tctctgtgtt 120  
 gtcttttget ttcttcttct tctattgtca cacatacaca tctactcctt ccctcatggc 180  
 tgagcaatct tccaagtcca tttacgattt cacagtcaag gacatcagtg gaaatgatgt 240  
 gag 243

<210> 36914  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946408H1  
 <400> 36914

acgtgatgga ggctaaggtt gttgtgagct cttgtgggca cgatggacct tttggcgcca 60  
 ccgggggttaa gaggttgaag agtattggca tgattgatag cgttcctgga atgaaggctt 120  
 tggatatgaa tgctgcagag gatgctattg tgaggctcac gagggagatt gtgcccggca 180  
 tgattgtcac cggcatggag gtggcagaaa ttgatggctc cccaaggatg ggtccgacgt 240

<210> 36915  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946409H1  
 <400> 36915

atatatatag aatatagata gatatattgt ttaggttatc aagtattaat ctgaacaata 60  
 tatctatata tagaatatag atagatatat atataataga acgtaaaaaa aaaaagaata 120  
 ataaatagaa aaaggagcac gttgattata tagaaagtaa agggcaacaa tcatttttgt 180  
 ttaccatggg taaggacacc atcgctgaca taataaccta tataagaaat gctgacatga 240  
 ataa 244

<210> 36916  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946410H1

<400> 36916

attttacacg aaatagaaga ctcatcttgt atacttattt gcagaaaacc tgggtggtcc 60  
 aaagttaaag attggaacct actattgtaa aggagcaata tctccaacgg ctgatgggag 120  
 aagtggaggc aaagtgaac tttctagtgc aagatctgct taatgtcagg acacatgtca 180  
 aagtgcgtac tgtttgagca ttcttcaaga cacaaatgcc ccagactcgt tgaaca 236

<210> 36917

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700946411H1

<400> 36917

caaattcgtg agagctaatt caatcaaaat gcctcccaaa tacaagctag tgctgttgat 60  
 agcattgggtt ttggttgcaa cctcccttgc tggtcgcaca aaggaacatc ctaagcatcc 120  
 tccatccctt caagaacaac aacacacccc acaccttgat agctaccgcg ataaacacat 180  
 accacctcat cctgtacatg gtgccgggga ggaaccaacc tccattccac gaaagaaggg 240  
 ac 242

<210> 36918

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700946415H1

<400> 36918

ctcagaagaa gaaggatcga tgtgggcagc ttcttgccctg gcgtcatgct gcgcggcctg 60  
 cgcatgcgac gcctgcagga ccgtcgtatc gggaatcagc cgccgttccg ccaggatcgc 120  
 ctactgcggc ctcttcgcct tctctctcgt cgtcgcctgg atcctccgtg aggtcgccgc 180  
 tccctcatg gaatcccttc cctggatcaa tcaattcaaa cacacaccta gccgag 236

<210> 36919

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700946416H1

<400> 36919

ggtaattggt ccgaaggcat tctgggggcg tcgaggaatc gccgtagggg tcccatcaga 60  
agattcaata gatttcatcc acctgatgat gataatgtat acagtatgca gcttagagaa 120  
cttctgagca ggagaagtgt ttctaacctt cttcgtagt gtttccgtga aagtctggac 180  
caattaatac agtcatatgt ggaaaggcaa ggtcgtgcac caattgactg ggatttg 237

<210> 36920

<211> 187

<212> DNA

<213> Glycine max

<223> Clone ID: 700946417H1

<400> 36920

ctttctcact ctctctgat atttctatat tttggtgcta ctgtgtctct acgatctgga 60  
tccaacggtc caaaatgttc ggggcttggt ctgcttgttt tcccagggtt tagagctcca 120  
aaccttcaga tccacctcat tcgtctccag atcttccttc cttgataacg tgatcgggtt 180  
cgagaag 187

<210> 36921

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700946418H1

<400> 36921

gtctcaagca accatggcaa tggcaacca agcctctctc ttaacccac ccctctccg 60  
tctcaaagcc agcgaccgag cctccgtgcc atggaagcaa aactccagcc tctccttctc 120  
cagcccgaag cccctcaagt tctccagaac aatcagagca gcagccgccc acgagaccac 180  
agaggcacca gcaaaagtag aggctgcacc ggtcgggttc accccaccag aacttgaacc 240  
aaa 243

<210> 36922

<211> 221  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700946419H1  
  
 <400> 36922  
  
 gaaaaggaca acttcgcgac tcgtgaatcg attactgtag aaatcgtcga ttctatctta 60  
 aaacgtattg ggcactggcc gccattttga attctggttg agggattgaa gtgcgattat 120  
 acgtggagga ggatggcttg taggggatgc tgggaatgcc ttgtgaagct tttgaacttc 180  
 atattgaccc ttgctggtct ggccatggtc ggcgatggga t 221

<210> 36923  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700946421H1  
  
 <400> 36923  
  
 cggctcgagc ggctcgagaa ggattctcag tgatgttgat tactaagcca attaattggct 60  
 gtaactctcc attaacatcc tctttcacat gaagatcagt ttacactgta aataacttaa 120  
 aagtaattcc acttatctat aagaagtttg tgcattatc aaattatacc tagcatagtt 180  
 gctactgcta ccatatatga agcatgatgt agctttgtaa acaagtctat atcaatattt 240  
 tgaca 245

<210> 36924  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700946422H1  
  
 <400> 36924  
  
 agcagatggt atcaaaacct gggggtaatt ttctggaaga tacttgggtt cttcagtgg 60  
 caaatgcaga aattaatgac aagcagggtca atgatgaatt ggagagacat gaggactact 120  
 ttgtgaactt ggccattcaa cttcttacta cttaccagaa agagtttagag ctttgcatta 180  
 accatatcaa aacatttgtc gtgaacctca agaatttaag tcagagggtta gagatgagca 240



ccagt

245

<210> 36925  
<211> 225  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946424H1

<400> 36925

gtatatacca atgctgtctg tttcagtcgc acgctgtaat cctgatcttg tgtgcatttc 60  
aaaatctcat tcatcatcat cttcttctga aaagttaaaa ggtgaagaga gagagagaga 120  
tatgagtagc gtgtttagc attgtgtggt gggatgggtgc aaatcagggc catgctatgc 180  
tagaccactg gaagccatgt ctggtcgaag agtagtctct tattt 225

<210> 36926  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946425H1

<400> 36926

agcagctgtc tctattttca gactcacgcg tgaccagctc aacacactga aagccaaatc 60  
caaagaagat ggcaacacaa tcagctatag ttcttatgag atgttggcgg gtcacgtgtg 120  
gcgaagtgtg agcaaagcaa gagcacttcc tgatgatcaa gaaaccaa atgtacattgc 180  
aactgatgga aggtcaaggt tgcagcctcc taccacaccc gggtactttg gcaatgtgat 240

<210> 36927  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946426H1

<400> 36927

cctggttcta tgagaggcag tttagggcaa cctactacaa gtgagcacat tatcggtgga 60  
cattctatgg ttgacaattc taagggctctg cttcattggg cgcaaagcat gagttttgtt 120  
gcagtctcca tggaccatac tttaacta gttctcccag cagattcatc aactcctggt 180

tacatagaag gttgcactcc agttaagtct cttggtgcta cgtcttctgc atatattct 239

<210> 36928  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946427H1

<400> 36928

gcatgagcct gttggcagtc tcctagaagc tgttaaggta atcaagccta cagttttgat 60

tggatcatca ggagtgggaa aaacatttac aaaggaagta attgaggctg tgacttctat 120

caatgaaaaa cctcttggtt tggccctctc caatccaact tcacagtctg agtgtacagc 180

tgaagaggct tacgaatgga gtgagggtcg tgcgattttc gctagtggaa gtccatttg 239

<210> 36929  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946428H1

<400> 36929

gcattctaaa ggattcctac acagggatat aaaacctgac aactttctca tgggacttgg 60

tcggaaggca aaccagggtt atataattga ttttgggctt gcaaaacgat atagggactc 120

ctcaactaat cgccacatcc cttacagggga gaacaaaaac ttaacagggga ctgcacgcta 180

tgctagttagc aatactcatc ttgggattga gcaaagtcga cgggatgatt tggagtc 237

<210> 36930  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946429H1

<400> 36930

gcactgagca gttgaggaaa tgggaaccct tgggagagcg atctacagcg ttggttaactg 60

gattcgagaa actggacagg ccattgatcg tctcggttcc cgtcttcagg gcggttacta 120

cttccaagag cagctctcta ggcacgaac tctgatgaac atatttgata aggctcctgt 180

tggtgataag gatgtatttg ttgcgccaag cgctccgctc attggagacg ttca 234

<210> 36931  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946430H1

<400> 36931

caacagcaca aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt 60  
 gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagtg 120  
 aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc 180  
 ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac caaca 235

<210> 36932  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946431H1

<400> 36932

caactatgga aaagctgggg aagccttgaa ggtggatctg ttgaaccatc cagaatacat 60  
 agaacaaaat gccaccttag ccttccaggc tgcactctgg cagtggatga acccaccaga 120  
 gaagcaccta ccatcacccc acgatgtctt tggtggcaac tggaaaccca caaaaaatga 180  
 cacattgtcc aaaaggggtgc ctggatttgg tgccacaata aacttgctct atgggga 237

<210> 36933  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946396H1

<400> 36933

ctgatacttg gaatgaactc ctatatgcag ctctatcaat gtgaaggtaa gtgtttcaag 60  
 gagtgtggca agacaccaat cgaccaagtt ctgaagttac cagggagtga acgcttcttg 120  
 ccacaaaaat ctgcacagac atttgattct taagtcaaaa aacaacattc ggcagttgta 180

aatgctcatt gctgtttccc tgcaacttga actttgggtc ttcaatttga agccacctta 240  
gtcattcata ttagttgaca 260

<210> 36934  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946351H1  
  
<400> 36934

tgggggtgact cagatggatg ttgcaactgc tgtaaattca aaaggacgtg ataattatga 60  
tagaagaaaag caacggattg aaattttctcc tgaaaagcaa aaacttgcag ataaattggt 120  
tggtgggttca acaaaaactga gaaaagatca tcaactagca ataagggttcc aaaggctagt 180  
actagtgtg cagacagaaac tcaggaatca aaagccgcag ctgtaccag tgaagtagct 240  
cgggagaaa 249

<210> 36935  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946352H1  
  
<400> 36935

cttctgtccc ttctcaattt ttctcttctt ccaattccat cgcaaacaat taaaaataaa 60  
aataaaaaata aaataagcag acatgtccac acttccctcc tcaacctttc caaactccaa 120  
cctctccctc tctctctctt atcttcacaa aaactcccac ttttccacac ccttttcccc 180  
aaaccctcc cttttctctc tctgcgaatt caaacccac caccattctt tccccgctt 240  
ctctgcaagt cc 252

<210> 36936  
<211> 75  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946358H1  
  
<400> 36936

gcaatggcct cgtctggtag ttagtaagct catagaggtt caattatgcg ttttcccgcg 60  
gaccgtaccg ttcgc 75

<210> 36937  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946359H1

<400> 36937

aagaccggtg gacccttcgg aaccatcaag caccctgccg aactgggtca cagcgctaac 60  
aacggtcttg acatcgctgt taggcttttg gagccactca aggcggagtt ccctattttg 120  
agctacgccg attctaccag ttggctggcg ttgttgccgt tgaggtcacg ggtggacctg 180  
aagttccatt ccaccctgga agagaggaca agcctgagcc accaccagag ggtcgcttgc 240  
ccgatgcc 248

<210> 36938  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946361H1

<400> 36938

ccccatacat tttccgccca aagatcacgt ataacggcgg cttgataaaa attttactag 60  
gtttctgaat aagctgggta atgtttatgg acaagtaaata gaatcattgg ctatttcaaa 120  
tggtgtagag ctattaaact tgttttttta agcacctcaa ccgatcctca ggcacccaaa 180  
ttaccagatg acattcttcg gcgatactca cagcatgata tatttgctgc ttttaactat 240  
ctttaagaga aa 252

<210> 36939  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946362H1

<400> 36939

gtggggagat cagaaggaat tgcaggggtg tgaattgatc atgatgtatt ttgtaataat 60  
 gatgcatgca ttggcattta attcatgttt gtgtgttggc tttttgtgta gctgggtgatg 120  
 gcaataataa caaagtatca gcaggtggta gtagtagcga cgtgttagag gtcatgactc 180  
 atgagagatt agtgtattgc aaggatcatgg tcatataagt ttgactagat cttggggttat 240  
 attaattgta 250

<210> 36940  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946363H1

<400> 36940

ggttgatgcg caacaatagc tatagcaatc gcattgtgtt actgttacc tagggctagg 60  
 ctagtagtat gaatggatta tggatggtga agattgattg attcaagatg actgcaactg 120  
 gagtggccgt gtcgtggggg tggggacatt ctctaactgt tactgttacc cagtgcctgt 180  
 aaaggaattg cttttttcta caacgcgcac tcgcaatcgg agtaggaaga agcgtttttg 240  
 ttttgggtca 249

<210> 36941  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946366H1

<400> 36941

gttctagatc gcgagctgcc gcctattatt actttatacc ctcttcacta tatctatata 60  
 tagtttatcg ctagatatat atataataga acgttcaaag gaaatagaat tttcctcaga 120  
 accaggatcc tgcaatcata taaaaagtaa acggtctctt tcctttgtgg ttaccatggg 180  
 cccggacacc gtcgctgact caatagcctc tgtaagacat gctgccttct ttttcaacgg 240  
 attggt 246

<210> 36942  
 <211> 248  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700946367H1  
 <400> 36942  
 gaaaagcaaa accgtctgtt ttggcatcag aggacgcaac aacaagagca aggacaacaa 60  
 agtcgaagat ttagagaaac tctcccatgt caagcctaata cacaaggga aaactaaaag 120  
 gtgtgcttca caactcctgt tggctgatga tgatgggtggc atcaatgttc atggagccaa 180  
 catagttgct agcaatgatg caggagtagc tgctgcgggtg atcactgcag ctcatatgtc 240  
 tttgatgt 248

<210> 36943  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946368H1  
 <400> 36943  
 gcagagctga agcatggcag tggtgtgatt gctgcaatca caagttgtac aaatacatca 60  
 aacccaagtg ttatgcttgg ggctggtctt gtagcaaaga aggcacatga tctaggtttg 120  
 caggttaagc atgggtgaaa acgagtcttg ctctgggtc tggagttgtt aaaaaatatac 180  
 tacttaaaag tggcctgcaa aagtatctaa atgaacaggg tttcaacatt gttggatttg 240  
 gctgtac 247

<210> 36944  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946369H1  
 <400> 36944  
 gaagtttcaa ggaaattggc agagcttggga tatcaaagga gtgcaaagaa gtgcaaggaa 60  
 aaatttgaga acgtgtacaa gtacaacaag agaaccaaag agaacaaaag tggcaaatca 120  
 catggaaaag ctataaattc tttgatcaat tacaagccct cgagaaccaa ttcacagtct 180  
 cttacccgcc aaaaccacaa cctacttcta ctttgactac aacaaacaca ttgacaagtg 240

atcatggtaa

250

<210> 36945  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946370H1

<400> 36945

catggatatac acttacattc agttatgctt cctctccatc atcgtcatta tcttcttctt 60  
 ctctaccttt cgatcctttc actttcgcgt gaacgaacca ttccactcgc tcgcaaaacg 120  
 gcgtcgtgcc gtcgcgttcg ttcgggtaaa ctgcgctggt cagaatcctc cggaatgacg 180  
 ctcttcgccc aattccctat aattcacttc tctactctct cagcctttct ctggatcatct 240  
 cctc 244

<210> 36946  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946373H1

<400> 36946

cttgtagagc acccagatta ctctgcttt tttgatgata tcagggcaga aggcggctca 60  
 tttggcggtg aaggctttgg gtaggaacaa tgcaattgat ggaacgtgtg gagttggaag 120  
 ggaagaacct agcttatatt ggcttctgcg gacactgagg aaattgttga tgcttaaatt 180  
 aagtttcaaa ttatatacct tttcttttct gttttgtctc tgcttatgat ttgaatttta 240  
 gaataa 246

<210> 36947  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946376H1

<400> 36947

cttatatgct actaactctg tcattacgag cgattatcgg cagcttgccg ggctttgtca 60



tcgatatgtc gactaagtac ctggagggtga acagctattg aatgatatta gtaactcata 120  
 tgagggtgtta tcgatgatga tcatcgatcc atcctataac tgatcatgat aggctgtgct 180  
 tatatgggtct tgactgggggt tgcagggttt cagccttcca tccagatctg tatgtgtctc 240  
 tgtatgaggg c 251

<210> 36948  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946377H1

<400> 36948

tattcaccat gtcatgtata aatgaggtag tctggtttct aattgatatt tctagacttt 60  
 gctgatctga ataataggac tggactttgt gtattgtcaa cataaatgat ctatgttact 120  
 tgtgggggttt cttacaattg tttaatgatg cattacttct agagttaaac attttgacaa 180  
 cacctttttg attccatgat tgattttctct atagtaaatt agtaatattg gtgctctcta 240  
 tgtagcat 248

<210> 36949  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946379H1

<400> 36949

ccaagaggaa caatgcctgt tgcagggcct gctgatgcc ttccatactg ctacatgccg 60  
 cctcagcatc cgtcccaagt tggagctgct ggtgtcataa tgggtaagcc tgtgatggac 120  
 ccaaacatgt atgtcagcag tctcaccctt acatggcacc acaaattgtg ccacagccac 180  
 cagaccaacy acagtcatct ccagaacatt agctgatgtg tcgtggaaat taagataacc 240  
 aggcaactgga at 252

<210> 36950  
 <211> 215  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946380H1

<400> 36950

atagaaaatc cccgatggttaa cgccgctttg gtgaactcct tctgcgaaat cacttcctct 60  
 tccaaggaag aagctctttt ctttttggag agccacaatt tcgacctaga cgctgccgtt 120  
 tcgacttttc tcgacaaccc agcaatcccc ttatatgtct ccatgacgac cttggcattc 180  
 ccaatcccaa cgccgttgcc actcccgag attct 215

<210> 36951

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700946381H1

<400> 36951

gcatccatct ctgatctcac tcaccattca ccaacctgct tctctgttct cttctttccc 60  
 ttcccaagaa gaagaagaag aagatgcctt cttcagaatc atcaacaggc ttctccgaaa 120  
 ccatttgtgt accggcgctg gtggcttcat cgcctcttgg atgggtcaaac tcctcttgga 180  
 gaaaggctac actgtccgag gaaccctcag aaaccagat gatcccaaga acgggcactt 240  
 aaaagagtt 249

<210> 36952

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700946382H1

<400> 36952

gcaagacaaa ggtaggatgg tcttgattat cttttttact ctaattcgtg ctttagtttt 60  
 ggtaagtgtg ttgttttctt gttctgtttc atcttcataa atttatttgt agcattatct 120  
 cgtatatgag gtctatcatc caaatattga cttggaagga aatgtttgtc tcaacatctt 180  
 acgagaagat tggaaacctg tccttaatat aaacactgtc atctatggct tgtatcatct 240  
 cttcac 246

<210> 36953

<211> 56  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946383H1

<400> 36953

cccacacttg ctcaactcttt cgctctcgtt ctctctccct gagcaatcac tcatta 56

<210> 36954  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946384H1

<400> 36954

acgtaagtcg atcgggtcga gggcatcaac tgacctgat tgcgggtgtg gcctgtggcg 60

tgatctaacc cagagagatc atcatcatca tcatcccctc acgcgccagg gcctccgtgg 120

actgctccaa cctggtctca ccatggcga ttgcttgctc ttcgtcacca acggcagcac 180

catcaciaag ccagagggca catgctgctc tggtttgaag tctgtttctca aaaccgctcc 240

ggcgtgtctc tg 252

<210> 36955  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946385H1

<400> 36955

gcttctttct tccttgacgc gcgattgctg catcctctc caataagagc tcgctgctag 60

cgaaccctaa cagggcggca acgtgaggtg ttcggttgaa gttcagatca gccatggccg 120

cagcaacccc atttctctgc ggttcctcct ctccggttcc gtaaccctaa ccctaaccct 180

gcttaacctc gccgcctcaa attccgaagg cgacgctctc tacacgctga aacggagcct 240

ctcggacc 248

<210> 36956  
 <211> 247  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700946386H1  
 <400> 36956  
 aaaatgtcca tcctaagcac tgcagggagt ggaaaattca gcagtgaccg gacaattgct 60  
 caatatgccca aggaaatttg gaacatagaa gagtgccgcg tgccataatt tctgctggat 120  
 gtgtgtctat gcactcaagt tactgtatat agcaccaaca gaatgataag taaaaagaag 180  
 tgaataataa aaattaaaaa taattttctga aaagagaaag tgaaggagat tttagctttc 240  
 tataata 247

<210> 36957  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946391H1  
 <400> 36957  
 aagcaatcta cagccttcaa ttaccaacaa gaatatgaag caaactctct tcttctcctt 60  
 ccttctactc accaccattt tctcaatcac cacttttagct cagtcaccag ctgcagcccc 120  
 taaagcccca caaaacctgc ccttgccaca ccggtccag cgccggcaaa accttttagtc 180  
 ccttcattac cccagtcacc atcttcaggt gttgattctt ctggaagcca agacattgtg 240  
 aagatcct 248

<210> 36958  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946392H1  
 <400> 36958  
 aagagctttg agctctattg aaggaatcgg agaccaagtc ttgtgaggta gatgatctgt 60  
 ctcgtctccc ttgttaagcc cctcagaatc tggggtggta aagaaactaa aaatgtgaac 120  
 ctctttacta attgtgatca tgctttgagc tgaaacgagt gacccttgca agctctgttg 180  
 aagagaacag agaccaagct ttgtcaagaa gatgatttgt atggatcaca aaatggagaa 240

ctgagca

247

<210> 36959  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946394H1

<400> 36959

tattcacttc ttgccaccgc tctcgctctt cctgaagatg gaaagatctt ggccatggat 60  
 attaacaggg agaattatga attgggtttg ccagtaatta agaaagctgg tgttgaccac 120  
 aaaattgaat cagagaaggt cctgctctcc cagttcttga tgaaatgggt aaagatgaga 180  
 agaaccatgg gagctcatga cttcatcttt gtggacgcta gacaagggac aac 233

<210> 36960  
 <211> 134  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946395H1

<400> 36960

catggctctt cgcagactca acaaaccttt ctccaacgcc acttccattt atcgccagtc 60  
 ctcttcgctc tccgctcacg aaaaacacaa atctcgcgcc gattggataa agcagctcaa 120  
 cgatcctctc gggc 134

<210> 36961  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946350H1

<400> 36961

caaagctcct gagggttctc tcaggaaaaa tgcagctcag aaacaagttt tggaagcaat 60  
 gtctcataga atgcatgtag acaacagtgt aaaacttatt gggaagcttt tatttggtat 120  
 tgaaaagggc ccgaagtact caacgctgtt agaccggcag gatcggcact tgttgatgat 180  
 tggcactgcc ttaaaaccat ggtgaggact tttagacac attgtggatc cttgtctcag 240

tatggcatga

250

<210> 36962  
 <211> 204  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946312H1

<400> 36962

cgaactcatt gacttcacat acttaatgtc attgatgtcc gagatatgca gtatacattt 60  
 ctctataatc tttgtgagca gctgaacttg ggatatttat ggaatattat tctgatatgt 120  
 tctcctcagg atgggtttgt ccctatcagt actggtagaa tttgagatca atgccaagct 180  
 ccagtgcacg tgagcacttc aaca 204

<210> 36963  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946314H1

<400> 36963

cctaacgcgt gcatagcaga gtcagagaca gagacgcagc catggggcgg agacctgcga 60  
 ggtgttatag gcaaattaag aacaagccat accccaagtc acgtttctgc cgtggtgttc 120  
 ctgatcccaa gatcaggatt tagatgttgg tatgaagaag aagggtgttg atgagtttcc 180  
 tttctgtgtc catctggtta gttgggagaa ggaaaatgtt tcaagtgagg ccctggaagc 240  
 tgctcgcat gcttgcaaca a 261

<210> 36964  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946315H1

<400> 36964

aaagaaatgg ttttaagataa tagtcaaatt gaagaaatcg aagaaagata aatccaaaga 60  
 agaaaagatc actgatgaaa attcaaacga atactccaac gggaagcaga gtactcgtga 120

agagtcaagt agcattccca ataaggttta atgatggaca ggacagttcc ttcaaagttg 180  
 atggatgata ttgcagctac tcggattcaa aatgcatttc gttcatttat ggcaagaaga 240  
 acattacacc atctaagggg tg 262

<210> 36965  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946317H1  
 <400> 36965

tatctatggt tgcaagattc tctgattcct gagaaagttt cagggaaaat tggtatatgt 60  
 gagagagggt ggaatccgag agtggaaaag ggtttggtgg ttaagcttgc tggagggtgct 120  
 ggaatgatat tggcgaaaagt gaagcctacg gagaagagtt agttgctgac tctcatcttc 180  
 ttctgctgct gtctttggga caaaaatcaa gcgagatttt gaagaactat gtttcatctt 240  
 cacctaattcc aaca 254

<210> 36966  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946318H1  
 <400> 36966

cctggtttta tgaaaggcag tttagggcaa cctactgcaa gagagcaact tatcgggtgga 60  
 cattctatgg ttgacaattc taggggtttg cttcattggg cgcaaagcat tagttttggt 120  
 gcagtttcca tggacctact ttacaactag ttctcccagc agattcatca actcctggtt 180  
 acatagaagg ttctactcca gtttaagtctc ttggttctac gtcttctgca tatattctaa 240  
 ttcttctctcc tagcat 256

<210> 36967  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946320H1

<400> 36967

ctccaattca tctctctctt cccatagata acaacaaaaa agtcccagtc acgaattagt 60

caccaccatc agtacatata cttcctcaaa aaatggaaat ggaagcaagc ccaagcccaa 120

gccaagccc gaagcaatag tggcaaggaa gctatggaac atagtacgca tcgtgttctt 180

gatgttgaga aagggcatat caaagagcaa actcgccgct gacttcaact tgaacttgct 240

gttcaaacgt ggca 254

<210> 36968

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700946321H1

<400> 36968

cttccccact ctctcacata ttgcctctct ctttctctt tccattgtcc atggcgtccc 60

tcatcgaatc tggctggcag tacttgatca cacatttcag tgactttcaa ctggcgtggt 120

tgggaagttt ctttctcatg aaggcgtttt cttcttgtct ggacttcctt ttatatggct 180

tgagagggca gggatgatga gcaagtacaa aattcaggcc aaaaataaca cccctgcagc 240

tcaggagaaa tg 252

<210> 36969

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700946323H1

<400> 36969

ctcgagcgaa tctgctccat tgctcgttct tgctacaaac gagaagatgc tatctttgat 60

ccatcatagt ctacatcata ttccagtatt acatgcacat ctacgctttg caccagctc 120

tctactgcta cagggatgag ccgggatggt cagcctccag ataagcatgc atatacggca 180

tccagtacgg tgacagttcg ttctccgctg gctacgtcag ccgagagcgg ctctccgtga 240

c 241

<210> 36970



<211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946324H1

<400> 36970

tgaattccag accaacccttg tgccataccc caggattcac ttcattgcttt catcttatgc 60  
 tcccgtgatt tcagctgaga aggctcacca tgagcagtta tcagttggtg aaatcacaaa 120  
 cagcgcattc gagccatata tatgatggcc aagtgtgatc ctgcgccatgg aaaatacatg 180  
 gcttgctgtc tcatgtaccg ggggtgatgtt gtgcctaaag atgttaaatgc agctgtggga 240  
 attatcaaga ccaagc 256

<210> 36971  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946327H1

<400> 36971

cgaggatttg aactgatata atctgttgaa gtacatgaaa ttaaggtatt tttttggctc 60  
 atcattgtgg ctaaaatttt ccacccaaat gcatgatagg atgcatatgt gaggtgcagt 120  
 taagtataata gcttttaaata tgtatttcag aaacatgcac tgctaaccat tttacttttc 180  
 tagagatctg tggcttcaac gggaaaaaga gctgcaatcc gatttgcaga tctcaagagg 240  
 aaaagatatt ggt 253

<210> 36972  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946330H1

<400> 36972

accgaatcta agtgtaaact gtacaccaca aacaaaagag agtctctgtc tctttcattc 60  
 acatttccca gttctgaaaa accctatata agtgttcctc attctctctc tcgccggaaa 120  
 accgcctcgg gatgaggacc gcggtggttg gtttgggtga cgtggatcga aatgggtgtg 180

tggaaggtct ggttgctgtc gaccaacctg cctctgttgc accccaacgc caaacacagt 240  
tggttggtgat ccacgg 256

<210> 36973  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946331H1  
  
<400> 36973

gcatactgc gttgaaaacc attagaaaca tatagtaatt gcttagataa caagtttgca 60  
cgtatgtaat taaaggagtt tgcagcttgt ataatagata tttccattgt ttcagtgtgc 120  
caaacaattc tgtcccagct cagtcagtct acttcataat atattttctt atttgaagtg 180  
gcattcattt gaattcacgg tagatttggt gccacaataa acttgctcta tggggaacaa 240  
acttgtggcc aggga 255

<210> 36974  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946332H1  
  
<400> 36974

gtagagcaaa tcccgatggt aacgccgctt tggagaactc cttctgcgaa atcacttcct 60  
cttccaagga agaagctctt ttcttttttg agagccacaa tttcgacctt gacgctgccg 120  
tttcgacttt cctcgacaac ccaacaacct cctcatccct ctcaacgacg accttgccat 180  
tccaacccc aacgccgttt cccctccctc agattctcac tctccggact tcaacccttc 240  
tcgctcgccg tctccgtctc 260

<210> 36975  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946333H1  
  
<400> 36975

tctcgagtc gaatcggctc gagggccaac ccctttgggt ctagcactag cagcccctac 60  
 gtgttgctta tctgataatg ctctgcagg catacagga gccaggcatg ctcaaattgg 120  
 aatatcttta tcagatctca ccttaacaat aagctgcagt tggggttgct tccgactaac 180  
 gtccaccagc ttaatttgca cactgggatt tgtaatggca acatcaccaa ccatggtaag 240  
 agtaaagaaa gt 252

<210> 36976  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946334H1

<400> 36976

gaaggatggt aaaactcatt agtttccttc catcaaggtc atggagtata taaagcactc 60  
 acatgcattg gtactatttg caatacaagc tcctctcttg ggaagaaatt agtttaagcc 120  
 ttagctagaa aaagggagtg agtttagtgag ttgagaggca gaagaaaaga agaagaaagg 180  
 tggagtgagt gagtgaatag aaaaaaaaaa cccaccatgg ggaggcctcc ttgctgtgac 240  
 aaagttggca tcaag 255

<210> 36977  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946335H1

<400> 36977

caacagcaca aagcgggtta ctgtctgttc aagctaccat ctctctctct ctttcttagt 60  
 gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagt 120  
 aacgaggggc acccgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct 180  
 tggagcagga ccctgacagc aaggttgctt gtgaaacctg caccaagacc aacatgggtga 240  
 tggtttttcgg ag 252

<210> 36978  
 <211> 252  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700946336H1

<400> 36978

gcagaaagca agctcatcct agagttttta aaatggcagc agcctcctcc atggctctct 60  
 cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120  
 gggtcagcat gaggagaccg tcaccaagca ggctcctcc ggaagcccat ggtacggccc 180  
 agaccgcgtc aagtacttgg gccattctc tggcgagccc ccgtcctacc tactggcga 240  
 gttcccaggt ga 252

<210> 36979

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700946337H1

<400> 36979

ataatgtcgt cagagaagga aactgagagt cggaagttgg gttcggaaga gatttcacgc 60  
 gagttcaaaa ccctagtcag ctccaatgat ctccactccc ttaaccacat gcaacacacc 120  
 atattgggaa gggtcaggac agcaatgcgg tgttgctgca tttcaatgac ttctctcagc 180  
 actgcttcgc tgagatttcc ggcgacatcg ctagaaacac gcgtgttttg aagtctgtca 240  
 agtctgacct tga 253

<210> 36980

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700946338H1

<400> 36980

gctcgcgata tagaactagt gttccaataa acgatccaat actcgtgata tctggtcata 60  
 tagtccaccc aagttgacga ccaggtctca taggtggatc tgcattcttg tgccgctggc 120  
 cctgcgctac tgggagatgt ttcttggtac ctgtcacatt ggtctccaaa ggacatgatg 180  
 tctactcagg tgaattgaag atcaatcttg tggatctgaa ggggggtggc ttgttcagcc 240

caagagactc tgcgccat

258

<210> 36981  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946339H1

<400> 36981

gaaaaggctg tgtccgttac tcgggagtgg aagatggcga cggcgccggg aaatcaaagt 60  
ttggagggcg gaggaggagc gccgcagcct ccgggtacag acatgaccgg aatatgcttc 120  
cgggatcagc tctgctcaat agcttccttc tggatcgcaa cttggtcttc gattacttcg 180  
cactctcccc tttctacgac tggacctgca acaacgagca gctccgcatg cgctccgttc 240  
acccctcga 250

<210> 36982  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946344H1

<400> 36982

ctcgagcgaa tcggctcgag catgccaaat ggaagtttag gtgaggttct tcatagcaag 60  
aaagggggcc actgccattg gtacacaagg tataagattg ctgtggaggc ttcaaagggc 120  
ctttgctatc tacacatgac tgttcaccac tcattgtcca tagagatgtt aaatccaaca 180  
acatccttct tgattccaat tttgaagcac atgttgctga ttttgggctc gctaaattcc 240  
tgcaagattc tg 252

<210> 36983  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946346H1

<400> 36983

acaaaaccct gaagaaagac acagccattg tttgtttact ttccattgat tgagcgaaag 60

tttgtttttt ctgcgatcat tttccattgg gtggaagaaa gtctcaacct ttagtcgaaa 120  
gagcaaggat ctgaggagtg agcgatcatg tgtgggtgtg cgattatctc cgacttcatt 180  
ccagcgggtc ccgccggcgg ggcgcacgcg tgaccgccga catcctgtgg ccgaatttga 240  
ggaagcgggtt ct 252

<210> 36984  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946347H1

<400> 36984

acaagattgg ggagaccctt catgtgggag ggcacaagaa ggaggaggag cataaggggtg 60  
agcaccatgc tggagaatac aaaggggagc accatggtga acacagtagt gagtacaaag 120  
gagagcatca tggtgacaca aagctggaga gtacatggt gagcacaagc cagagcacia 180  
agaggggttc ctagacaaag tcaaggacia gatccatggt gagggcgggc cgccgagggc 240  
gagaagaaga aga 253

<210> 36985  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946348H1

<400> 36985

ggctgactgg tctatttggg atggatgatg acgaccact tgaggatata gatgataatg 60  
acctgatag caatgatgaa agtcaaaata cttcaagtc cttccatctt cttaatgctt 120  
taagcgacct cctgatgctt ctaaggatat gctcttaaat gcatccatca ggaaagaggt 180  
gtgtccaatg tttagtgcac cgctaataca gaagattcta gacaattttg tcccggatga 240  
gttttgcct gatccaattc c 261

<210> 36986  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946311H1

<400> 36986

cgcaaattct cctectacac caacaataat ggcaccttct ccacaagaaa tcattcttcg 60  
atccccactc cccgatattc ccatccccac acatctccca ttgtactctt actgcttcca 120  
aaacttgta aagttccatg acgtccatgc ctcatcgacg ggcacaccgg cgagaccctc 180  
acctacgccg acgtcgacct cgctgctcgc cgcacgcctt ccggcctcca caaaatcggc 240  
atccgccagg gtgacgtcat 260

<210> 36987

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700946274H1

<400> 36987

ctctcgact tegttttcac ctctgcctcg cagaagacag agcgtagtaa gaggacgcag 60  
agatgaatat gaacgaagat agtggatgaag gaagcgcgag gagggtccaa gtgcgcttcg 120  
tgacgacgtt aggcgagccg tacaaagttc cgaccactgc catcgccatc cccgccgacc 180  
tcaactgatt aggcctctcc tcaactcgta acgcactcct tcaatccaac gacgctgac 240  
atcagccggc gccgtttgat tttt 264

<210> 36988

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700946275H1

<400> 36988

cctggaatta ttgatcata tagggaagat cacaatctg gagtttttaa taatcccagt 60  
gaagatgatt ttggtatgcc ctccctctgg ccattgcaat ctggaactcc agcagtcccc 120  
ggattccaat tattcagttc tgaagtggag gatgatgtgt cagacgcatt gattgatttg 180  
catcatggca atattaattg ctctcgtca ctgaatgggt atacgttggc tccagatact 240  
ttgggatctg gcactctcat a 261

<210> 36989  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946276H1

<400> 36989

cttcctagac ctcttggttaa tcaatctagc aagccacgag tgggtcactc tgctccatta 60  
 gtattaaaaa atccagaggc tgccatgact aataaatttc cttcagttgt atttagtgca 120  
 gcatctccac ttccaactcc acctgtctct cggagtttct ctataccttc tagtggtcag 180  
 agagttgtgg cattaaatgt ctctaatact aagtatttgg atactcccca agtttcaaag 240  
 gttgataaag ccgtgtcacc tc 262

<210> 36990  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946277H1

<400> 36990

cgaacagcaa aagatccatg atggtgaacc tgttgctcgag gatgatgatg atgaggaaga 60  
 ggatgatgat gatgatgatg atgaggatga tgaccatgcc gaaggactag aaggtgatgc 120  
 atctggtagg tcgaagcaga ccagaagtga aaagaagagt cgcaaggcaa tgcttaaact 180  
 tggaatgaaa cctgtcacag gtgtcagccg agtgacagtc aagaagagca agaatacct 240  
 gttcgttatc tcaaaaccag 260

<210> 36991  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946278H1

<400> 36991

aaaggcagga gcaaccaaac gcctcgctc ctcctttgag agcaatccat cgatcgatgc 60  
 cgttgcaaca cccgtcactc caaagccgcy tgctggtgta gagcgaaacg gcgccgtttt 120



gagcaagtgg gttttattgc tgtgcctcct cagctcgatt agatcaactc acctgggtgc 180  
 tgcgtgtgaa gaaaagaaaa gagagaaaaa ccgaaacaga aacataaaaa gtagctgcca 240  
 atttcacgtt ctcattcttc ca 262

<210> 36992  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946279H1  
 <400> 36992

gtggggagat cagaaggaat tgcagggttg tgaattgatt atgatgtatt ttgtaataat 60  
 gatgcatgca ttggcattta attcatgttt gtgtgttggc tttttgtgta gctgggtgatg 120  
 gcaataataa caagagtatc agcagggtgg agtagtagcg acgtgttaga ggcatgact 180  
 catgagagat tagtgtattg caaggctcatg gtcataataag tttgactaga tcttgggtta 240  
 tattaatgtt agtatttttc ag 262

<210> 36993  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946281H1  
 <400> 36993

tggagctctt gaaaatgtca aggatacatt gaaggaattg gttatgcttc ctttaciaaag 60  
 gccagagcta ttttgtaaag ggcaattaac caagccgtgc aagggtatcc tattatttgg 120  
 tccccctgga acaggtaaga caatgcttgc aaaggcagtt gctaccgaag ctggtgcaca 180  
 tttcatcaac atttccatgt caagtatcac atctaagtg tttggtgagg gtgaaaaata 240  
 cgtgaaagct gttttttccc tggcaa 266

<210> 36994  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946282H1

<400> 36994  
 cacacacttt ctctctctat ctctctctct ctctctctct ggttgtcttt cattttgttc 60  
 attgttggtg atgatgtcac gcgccgccgt gttattacac gcgcaggagg aggaggagga 120  
 ggagtgtagt acttcgacgt cgtcgtcgat cgggaggaac agcgacgtgt cgtcggagag 180  
 atcaatggag gaaggagaaa acgaggtgga aagtgcctac catggacctt tgcattgccat 240  
 ggaaactttg gaagaggttc tt 262

<210> 36995  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946283H1

<400> 36995  
 atttactgtg tctagcgtta tgctattagc ggcctataat gtacatcgga agttgctttt 60  
 gtcttgctca tagatttgag tacagaagat cgctggttag tagttagtta gtcgtgctg 120  
 tattagcggg atttatgtgg ttgatatttt gctatgatta ttactgaatt catcaaataa 180  
 cagtgacttc tcaattgtgt caactcaaat aactcagtc ttcccattag gtgggattgg 240  
 ttaaatgctc agatcgacaa tt 262

<210> 36996  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946284H1

<400> 36996  
 ctgatttgtc tggcagggaa acccttgtcc gaatcactgg tggatatgaaa gttaaagctg 60  
 acagagatga atcatctcct tatgctgcta tgcttgacgc tcaggatgtt gctgccagat 120  
 gcaaggaact gggcataact gctcttcata tcaagctccg tgctactggt ggtaactaga 180  
 ccaaaacacc tggctcctggg gctcaatcag ctcttcgagc ccttgctcgt tcaggcatga 240  
 aaattggtcg tatagaggat gtt 263

<210> 36997

<211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946285H1

<400> 36997

ccaagctgaa gttcaaacca gttacaatc catatactga acctagcata gagattttta 60  
 gttatcatga aggctttaa aaatgggtag agataggaaa ctctggcatg ttcagacctg 120  
 aaatgttgca gacgatggga cttcctgaag atgtccaagt tatagcttgg ggtctttccc 180  
 ttgaaaggcc aacgatgata ctatacgga tagataacat cagagatctc tttggacaca 240  
 aggtggatct tgggcttata aaga 264

<210> 36998  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946286H1

<400> 36998

atcacatcg ccacttggct ggctataacg gaagcgtatt gcactgggat ctgcaagggg 60  
 gcttgcgat ttgcatgac attgtgacgc taagattatt caccgtgatg tcaaagcagc 120  
 aaatatattg ttggacgagg aatttgcagc agttgttga gattttgggt tagctaaact 180  
 tatggattat aaagggtact atgtcactac tactgtacgt ggaacaattt gacatatcgc 240  
 accagagtac ctctcaac 258

<210> 36999  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946290H1

<400> 36999

gattctgact gggcttcaga ccctgatgat aggcattcta cttctggtgc agcactgtat 60  
 gttggtccaa acttggtatc ttggtggtcc agaaagctga aagtggctctc tcgatccagt 120  
 acagaggcag aatacagaag tttggctgct gtcacagctg atattctatg gattcagact 180

cttcaggaac ttgcagttcc tcatatcaca ccgcttgtgc tctgtgataa ttccagtgc 240  
gttcaattag cacataatct 260

<210> 37000  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946291H1  
  
<400> 37000

atctattctt acaagttaca tccattgaga aacatgaagg tctccccctt agcattttca 60  
atcctttttt tgtccttcac catagaactc ttcattggca ttgcttcagc agcacaagaa 120  
ccagtgcctg acacctcagg ccagaagctg agaacaggtg tcaagtacta cattctacca 180  
gtcttcagag gcagaggtgg aggcctaaca gtttcaagca gtggcaacaa cacatgcccc 240  
ctctttgtgg tgcaagagaa 260

<210> 37001  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946294H1  
  
<400> 37001

eggctcgagg aagagcatca ctgaactaac aaagcaaccc tatgtogaag gtgggtttgtg 60  
tcaccggagc cagcggcgcc atcgatcat ggggtgtcct actcctccac cagcgtgggtt 120  
acaccgtcca tgccaccgtc caagatatca aggatgaaaa tgagacgaaa catttgagg 180  
aaatggaagg agcaaagagt catctccatt tttttgaaat ggatcttctt gacatcgact 240  
ccattgccgc tgccataaag g 261

<210> 37002  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946295H1  
  
<400> 37002

gttacaactt acggctaaat tctcaaagat ttaaactttg tctcagagtt tccaaattca 60  
 cccaacccca gagagaaaat gtctctaata ccaaatttct tcggtggcag aaggagcaac 120  
 gttttcgatc ctttttcctt cgacgtctgg gacccttca aggattttcc tttcccaaac 180  
 actctttctt cagcttcctt tctgaattt tctcgggaaa attctgcatt cgtgagcact 240  
 cgtgtggatt ggaaggagac 260

<210> 37003  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946296H1

<400> 37003

ggaaaaaggc aaaagattct atcttgggtg aaagcgaaga tgacactgaa gatagaatca 60  
 acaaccatat atcaaatga agagtgaag ataaagtga agagggaaga caaatatcat 120  
 ggagaaaatt gacataggaa aggaccaagt cgacgaaagg gtaaggaaac agcgtggcaa 180  
 tcccagtggc ggttgcaagt ttgaccact gatgaag 217

<210> 37004  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946301H1

<400> 37004

ctgaaaaggg tgtggtgatt ttcacaaaga gctcttgttg cctctgctat gcagtcaaca 60  
 ttctgtttca agaacttgag tgtgaatcct gtggttcac agattgatca tgaccctgaa 120  
 ggagagaaa tggagaaagc tctttgaggc aaggctgcac tgctccagtt ccagctgtat 180  
 tcataggagg gaagctaag ggatccacca atgaaatcat gtccctccac ctaagtgggt 240  
 cactcactca gatgctgaaa cct 263

<210> 37005  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946304H1

<400> 37005

gcaagaatgc tgcttttagac cctttgtcct actttgaatt ccaaattgggt tacaacccaa 60  
 taagacaatt tgatcagaac catgtgggga ccaactcaag ctatggattc tcctcattgc 120  
 cgtgtctgaa tagttctctg atcacgggaa cgtgtcgggtg gcggcggagt ttccagataa 180  
 caactcagct tcaaaaatca gttctttgat gaaggaaagt tccagcaata gctcaagtat 240  
 gagtgtttat ccagctg 257

<210> 37006

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700946306H1

<400> 37006

caaaatcaaa tccaaacaat gatataaaca atggggggaag agtcaggtct gttcttgatg 60  
 ttggctgtgg gggttgctagc tttggaggat atcttatttc ctctaattgtg atagcaatgt 120  
 cattggcacc aaatgatgtc atcaaaaatca aatccagttt gccttagaga ggggaattcc 180  
 agcatatctt ggtgtcttgg ggacccaaag actcccttat ccaagtagat cattcgaact 240  
 tgctcattgc tctcgct 257

<210> 37007

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700946307H1

<400> 37007

tttgaaggag gatctgccta gtcggcttca ttatgccgcg agtgatcgga ttgcgccgat 60  
 aattgggttg attgaggaag gtttcaagggt tgagcagaag agaaccaagc gccaaagagt 120  
 tggcggttcg cacggttaga caatgcgggtt ttctccatga ggactatttt tattggacat 180  
 ggtcctcgat ttgctagagg gaggaagata ccgtcgtttg agaatgttga gatttataat 240  
 ttgattactt ctattct 257

<210> 37008  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946308H1

<400> 37008

cgctctcgaa ggggatcggg attgggaagt acatgggtctc cgacgtgttt tctgtcggag 60  
 ggtacaattg ggcgatttat ttctaccccg atgggaagag cgtggaggac aatgcaacct 120  
 acgtgtcgct cttcatcggc tggccagcga aggcaccgat gttagggcac ttttcgagtt 180  
 gacccttttg gatcagagtg ggaaggagag gcacaagggtg catagccatt tcgagaggac 240  
 tcttgaaagc gggcctt 257

<210> 37009  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946309H1

<400> 37009

tggtaatcgt gagtgggtact attccccgaat agcagcaagc aaggcaaggc gtgtgtccga 60  
 gcagagcagg agtgaaggag aaaaggaccc ttgtccgtcc agtccttatt ctcttttctc 120  
 ctccctccct cacgcaaccg caattcctga accctaagct agcgccatgg ctgtcgtttc 180  
 gcgaagtgcg acgacctata cgcgccacta cttaatacga cagagtttg ataggaaaac 240  
 gaaaacctgc gttgcc 256

<210> 37010  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946310H1

<400> 37010

aaagcaccat ttctcttccc tcaactaaac tcatattcca aaacgcagag ccaaaccatg 60  
 tcgttcccct tcaaccactc tcacgccacc cacaccacc accgcaggac gacgacgacg 120

acgaacgacc caccgtttac ctccgccggg aaactccttc agcaaccgc caccctccgtt 180  
 ctacggcgtc cctcaaccac caccacctca gccggagacc cactgtgtcc attccgtca 240  
 cgtgacacca ggacacgtg 259

<210> 37011  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946273H1  
 <400> 37011

cttgtgtttt gctttcttcc tcaaaaccaa acatgtcgaa cacatgoggc aactgcgact 60  
 gcgctgacaa gactagctgc accaagggaa acagctatgg tggtattgta gagactgaga 120  
 agagttacat cgagactggt gtcattgatg ttccagcagc tgagcatgat gggaagtgca 180  
 agtgtggcac taactgcact tgcacggact gcacctgtgg ccattaagga atatgtatga 240  
 aaatgtaatt gccatgtgtt tgg 263

<210> 37012  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946243H1  
 <400> 37012

ccggaaccct acccggtggc cggagtctcc ctccgattac cgtgagctgg tggcgaggta 60  
 cagegacgag atgaatgttc tggcgcaaaa gttgctggct ttgattacgg agagtcttgg 120  
 gctgcgagct tcgtgcattg aagatgctgt tggggagttt tatcagaaca ttacgattag 180  
 ttattaccct ccgtgccccg aaccggatct tactctcggg ttgcaatcgc attctgatat 240  
 gggagcaatc acgcttctga ttca 264

<210> 37013  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946244H1





<211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946248H1

<400> 37016

gaaaaccaga catcacaaaa gcaaaggaat tgttgggctg ggagccaaag gtcaagttgc 60  
 gtgatggctt tctcgtatg gaagaggatt tccgtctgag gcttggagtt ggcaaaaaga 120  
 attaacttgt ttttcgctcc tttggtgaca tgttaaagta gaataataag tgagatgggt 180  
 ctggcccgtt ttcaaaattt tgcgcattat agttattgtt acgattatga tactgagaaa 240  
 gttggggggc ctgaaatttg gcac 265

<210> 37017  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946250H1

<400> 37017

gcttcttcag ccactccgca cctcgcagcc tctgtgccct caacaaccat ggctgaaatc 60  
 gaaactaccg ttccagatcc caccctaaatc gacgtcaaac tcttcaatcg ctggagactt 120  
 cgaggatgtt gaggttaatg atatgtctct ggctgattac attggagtgt ccccatcaaa 180  
 gcatgctaca tatgttcttc aactgctgg taggtactca gtgaagaggt tcaggaaagc 240  
 gcagtgcacc attgttgaga ggctcac 267

<210> 37018  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946251H1

<400> 37018

tgatcacatc aaaggggtcc tcatgaacat acttgacgca ggtacagata ccactgcagc 60  
 cacatcagtt tgggctatga cagccctagt aaaaaaccct agagtaatga agaaagttca 120  
 agaagaagtt agaaatgtgg ggggaacaaa agattttctta gatgaagatg atattcaaaa 180

acttccttat ttcaaggcaa tgataaaaga gacgttgaga ttgcacctac caggtccact 240

acttgtagca agagaatcaa ctgaagag 268

<210> 37019  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946252H1

<400> 37019

gaaaaaagga gagggttag agagagagca aaacatatta ttttcatttt catctttttt 60

tgagtatcaa caaatggcaa ccactgtgat gaccactctc cccaattca gtggtcttag 120

acccaattc tcagctgccc ctgtgaagaa cttggttggc gtgcaacca tgagtcgcaa 180

ggggaagggt gcattgggag ctgatgtga ctacattggc tcatccacta atctgattat 240

ggtggcttct acaacctga tgctg 265

<210> 37020  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946253H1

<400> 37020

gtcgagcgaa tcgggtcaat gccaaacctt ttgggtctag gcctagcagc ccctagtgtt 60

gtctatctga taaagctcct gcaggcatatc agggagccag gcatgctcaa attggaatat 120

ctctgccaga tctccacctt aacaataagc tgcagttggg gttgcttccg actaacgtcc 180

accagcttaa tttgcacact gggatttgta attgcaacat caccaacctat tgtaagagta 240

aaggctgtct atcatgcttg ctgacc 266

<210> 37021  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946254H1

<400> 37021

gaagaaatgt ctcaaaaaga cgaataactct caacaagact ctgaaacgga gaagtcaccg 60  
 gaaaagccca agtctcttga tcatacacct gtggctgagg gaaacgacac ccttgaaact 120  
 gataacacaa tgcataatgga acctgaagaa aacacaacaa aagaagaaaa taaagtgggt 180  
 aaggaagaag atgggtgagca tacagagtca gcggatggaa cagttgcaca gaacttggat 240  
 catggaaagg aagaaaacca ttactg 267

<210> 37022  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946256H1

<400> 37022

gggttctcat ttcgcaacca tcggccgcac ttactcttgt tctcaaggga ttcgattttc 60  
 tctgcactca cttctagggt ttctccgcg ctatcagcaa tcatggccga cgaaacacca 120  
 aatgagatga aggaggaggt tccagaaatt gttccttttg atcctaccaa gaagaagaag 180  
 aagaagaaga ttacaattgt agatcctgct gatgaccctg tggagaaatt ggctgagaag 240  
 acagaaaacc tctcagtttc tgaggg 266

<210> 37023  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946257H1

<400> 37023

cacaacataa caaaagcttc catttcattt attcattcct tcccctctgt tttctgcatg 60  
 tgattgcaac aagaagaagg cttttccact tttcttcagt gttccgttct ctctttctta 120  
 gggtttacga gcttcgataa aagttgaaca aaccagaga aacggaacag aacaccattg 180  
 attctgtttc ttctgggttt gaaaaaaaat gaagaggggt agtagtacta gtagtaaagt 240  
 agagccattt gtgctaccca acagg 265

<210> 37024  
 <211> 263  
 <212> DNA

002220"ETFE560

<213> Glycine max

<223> Clone ID: 700946258H1

<400> 37024

caagaatggg gttctctaca gaggtgtgtc acctgatgtt ttgatgttgg aacagacagg 60  
acatatacag ctggtggact tcagatttgg aaaacagctt tcaggtgaga gaacattcac 120  
aatttgtggg atggcagatt cactggctcc agagattgtt ttgggaaaag gccacggttt 180  
ccctgctgac tgggtggcgt tgggagtttt aatatatttt atgttacgtg gtgagatgcc 240  
atttggatca tggagagaaa atg 263

<210> 37025

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700946259H1

<400> 37025

ccagaatggg gttctctgca gaggtgtgtc accgatgtt ttgatgtcag gaacagacag 60  
gacatataca gctggtggac ttcagatata gaagacagct ttcaggtgag agaacattca 120  
caatttgtgg gatggcagat tcaactggctc cagagattgt tttgggagaa cgccacggtt 180  
tccctgctga ctggtgggcg ttcggagttt tgatatacat tatgttacgt cgtgagatgc 240  
catttggatc atgtagagaa gat 263

<210> 37026

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700946260H1

<400> 37026

cttttgactc cgaacgagct tgaccgcgaa aagattggct attggtgatc gcagtgttca 60  
attcaataag ttctgggatt gattctttta caaagagaat attgcctttt ttgctctgag 120  
atztatccgt tcatttcttt tattcctttt cttttaatgg tgatgcttga atatcagagc 180  
aagattctgg tgttattatg tttagattaa agagttgtga aggccctgtg cgctacttgt 240

atcagcaaac ttggcatca

259

<210> 37027  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946261H1

<400> 37027

tttttaatag ccttacaag tacaatggtg acaaaatggt tctgttcca gcatcacagg 60  
 ttaaacaat tgcaggaaga gctggtcgga gaggatgcct ttaccctgat ggactcgcca 120  
 caaccttgca tttagatgat ttggactact tgattgagtg tttgaaaca ccttttgatg 180  
 atgtaaaaaa ggtaggcctt tttccatctt atgagcaggt tgaattgttt tctgggcaac 240  
 ttccagattt gacattcacc ca 262

<210> 37028  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946262H1

<400> 37028

ctcgagagaa acgttctccg agagctttac tcagagtcg aggcgtagat acgacgtctt 60  
 cgggaccacc caactcatca tctgaagtca agccatggct ataattgcac ctgagcggtc 120  
 acagcacgat gctcgtcaat atcattctac aatgtgtgac ggactgtcat ctgatggaca 180  
 ggactcgcgt cacatcctat gacgacgtct atgatcagtt ttga 224

<210> 37029  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946264H1

<400> 37029

gaggaaagga agggagtagg gagtgagtaa ttttgaaaat aaagaggaaa gcttgaagca 60  
 gaagagagag atgtcatcat cttcagacct ggacaggcaa atagagcagt tgaagaggtg 120

tgagcctctt gaggagtctg aagtgaaggt gctctgcctc aaagccatgg aaatcctcgt 180  
 cgaagagagc aacgttcaga ggggtcaacgc t 211

<210> 37030  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946266H1

<400> 37030

ccagaatcca tcttagaccc atgtgttttag tagtaaatgc ttgcgcaaca gggatcttcg 60  
 agataatggt gttgggggttt gttttgtggc ccatgatata actgctcaga agaatgtcat 120  
 ggacaaattht acgcgtattg aagggtgatta caaggcaatt gtacagaacc gcaatccatt 180  
 aatccctcct atatttggca cagatgaatt tggctgggtgt tgtgagtgga atccagctat 240  
 gacgaagtta actggatgga agcga 265

<210> 37031  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946267H1

<400> 37031

cgcagagtag agcagcagag aagagagaaa acggcactgc agccgtagaa ggaaaaccga 60  
 ccatggtgca cgtctccttt tacaggaact atggtaagac gtttaagaag ccccgccgctc 120  
 cgtacgagaa ggagcgtcta gacgcggagc tgaagctggt gggggagtac gggctgcggt 180  
 gcaagagggga gctgtggagg gtgcagtacg cgctcagccg catccgcaac aacgcgcgga 240  
 atctccttac cctcgacgag aagaa 265

<210> 37032  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946268H1

<400> 37032

ctagtactag taaatcaagc actcaaaaat gtcctccaga aattcaaagt catcttagtg 60  
 atgggactga tgacgatcta agaactcttc ctgctctaga tccaccaatt gaacaagatg 120  
 attctaatac aatgtcagtg gcagttggta atgatttcgt tgaagatacc gtattgtaca 180  
 gacttcagga tattatatca aagttagaca tcaaaataag actctgcac agagatagtt 240  
 tgttccggtt ggcacaaagg c 261

<210> 37033  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946270H1

<400> 37033

ctacaacaca atcaagtccc tgaatgcttt ttagagagag aaagagtcac aataaagtga 60  
 aagaaaaaga aaaaggagag tagtgaaaca agaagaaagg agaagaagat ggtgtttgag 120  
 gaaactgagc tgaggcttgg actgagacta ggactccctg gaaatggagc cgcgccaaca 180  
 actgaagctg ctgcggaatt aggagtgagg aagagagggt tctactgaaa ctgaaaccga 240  
 tgaaacaacc tccgttgatt tgatg 265

<210> 37034  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946272H1

<400> 37034

ttcaaaaatt ttccggaaaa aatttgaatc tatttctata tgcgaatcaa tcctactact 60  
 tctggtcctg aggttactgc gcttgcgaaa aaaaatctgg gacgtatcgc ccaaataatt 120  
 ggtccggtac tagatgtagc ttttcccca ggtaagatgc ctaatattta caacgctctg 180  
 atagttaagg gtcgagatac tgttggtcaa caaattaatg tgccttgtga agtacagcaa 240  
 ttattaggac atagtcgaat taga 264

<210> 37035  
 <211> 266  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700946242H1

<400> 37035

atctgagcga ttcggctcga acttttttcta cttacctttt gccttaatcc aaatacgatg 60  
gcagccatgg caaccacaac cctctcttca aaccccaaac tctcattctt caacggaaag 120  
cccgtcacat attcttcccg cgtcgcgccc accaccaaatt tctcctcatc caaacaaggc 180  
acaattttcca tgtccctaac cccaccccccc tacgacctcc agtccttcaa attccagccc 240  
atcaaagaat ccatcgtgtc acggga 266

<210> 37036

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700946214H1

<400> 37036

ccgtaatgaa gatcagcgta gtcgtcagca ctaggccgca cgagatccga tttcgcgcca 60  
actgggggtta aatgatgaag gttataagga tgatcagtag agtacctagc atcaagagtt 120  
tggcgattcg tacctgttat ggctacgagt gtgacgccta aaagagtata tttatccccg 180  
catggtcctc caccgggcta gatggtagca aaatatcgac ggctccccaa tgatgagatc 240  
cgacgttttg attccatca 259

<210> 37037

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700946215H1

<400> 37037

ctgggtttgaa tggttcttggt gagacctact ttgctgacat ccctgctgag gcatacaaga 60  
ccctcacatc tctgaatggc gtcactgcat atggatttga tttgggtccgt ggaaccaaca 120  
ctcttgattt gatcaagggt ggatttccca gcggaaaata cctctttgct ggagtggttg 180  
atggaaggaa catctgggcc aatgaccttg ctgcttctct cactaccttg cagggctctg 240

agggcattgt gggcaaagat aagct

265

<210> 37038

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700946216H1

<400> 37038

tgtttggtgt tgtaactcgt tcttcttctt ttgttggtct gtgttggtgt ttgttttttc 60  
tctcacctga aaatgtcttg ctgcggtggt aactgtggtt gcggaagctc ctgcaagtgc 120  
ggcaacggct gcggaggctg caagatgtac ccagacttga gctacactga gtcaaccacc 180  
accgagacct tggatcatggg agtggcacct gttaaggctc aatttgaggg tgctgaaatg 240  
gggtgtgcccg ctgagaacga tggctg 266

<210> 37039

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 700946217H1

<400> 37039

ctgattcggt cgttcacttt cactttacca actcctaaca atttctctct gatttcctta 60  
cttcaccgct atcaatg 77

<210> 37040

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700946218H1

<400> 37040

ctcggataac cgtagtaatt ctagagctaa tacgtgcaac aaaccccgac ttctggaagg 60  
gatgcattta ttagataaaa ggtcaacaca ggctctgctt gttgctttga tgattcatga 120  
taactcgctg gatcgacgg cctttgtgcc ggcgacgcat cattcaaatt tctgccttat 180  
caactttcga tggtaggata gtggcctacc atgggtggtga cgggtgacgg agaattaggg 240

ttcgattccg gagagggagc ctgagaaa

268

<210> 37041  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946219H1

<400> 37041

tgcatgttca tggcacccat gagagacatt ggctctgata atggagctcc acaaaagaag 60  
attgtgtagt ccctcaaaag gaaggattgc atcaaacact ttgccagcgt cagagagaaa 120  
gtcaaagtgg gtgtaaacgg ctatgagctt ggtggccaag cagagcaaac tatgcgcagt 180  
ggtgaaaacc aactgagagt gaagtttagag agcttggttg agagtgaggc aatattgaaa 240  
aaaagtgttg aaggagtcct taagttcat 269

<210> 37042  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946220H1

<400> 37042

caccctgcaa caagccagag atcctctctc caagcttgc tgcattccct tccctcactc 60  
tcagcagccc agtcactcct ttgaatgatg acccttttga caagtcctcc tcattacctt 120  
cattgggaag cacttcttca gaggaagaga gagccatagc tgaaaaaggg ttctacttgc 180  
atccctctcc catgtctact ccaagagact ttgagcctca gctcttgccct ttgttccctg 240  
tgatttcacc tagagtttct gagtcaacta 270

<210> 37043  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946221H1

<400> 37043

ggagtggcaa ggattgaatt cataatcagt tggagaacat atctaggact aactcattgt 60



<400> 37046

ctcgagcgct cgagccgctg ccttccattt tccgtgattt tctcatattc tattccagtt 60  
 ggtacccttg accttttttt agatctcgaa ttctcatttt ctgttgacac aagtaaata 120  
 gtaatctatc aaaagcttaa atatacaggc atgtgcacta aagtggctag tgttgcttgt 180  
 gattgagaag atataactag gaccgttata tgttatctag gattctaggt taagtgaacc 240  
 tgccttccat tttccgtgat tttctc 266

<210> 37047

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700946225H1

<400> 37047

ctttctccgg cgacgatctc agattccggc cactcctctc gccggcgagc cettactctt 60  
 ccctcctccg tcgagccctc tccgattcga atcgttccca gcctcgacac accatgaatc 120  
 ccgaatacga ttatttggtc aagcttttgc tgattggaga ttctgggtgta ggcaagtcac 180  
 gtcttctcct gaggtttgct gatgattcat accttgacag ctatatcagt accattggag 240  
 tggactttaa aatccgcact gtggagc 267

<210> 37048

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700946227H1

<400> 37048

gaacgtgtac tacaacgaag cttcctgcgg gcggtttgtc ccacgcgcag tgctgatgga 60  
 cctggagccc ggaaccatgg acagcgtgcg gactgggccc tacgggcaga tattccggcc 120  
 cgacaacttc gtgttcgggc agtccggcgc gggcaacaac tgggccaagg ggcactacac 180  
 ggagggcgcc gagctcatcg actccgtcct tgacgtcgtg cgcaaggagg ccgagaactg 240  
 cgactgcctc caggggttcc agg 263

<210> 37049

<211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946228H1

<400> 37049

gtcccaaaga gttaacaaga gattcaagac cggcatggct aatgaagagg aacagaaaaa 60  
 ccacctcttc ggcatcaaag atctcgggtca caagactctc cttcagagtg atgcactcta 120  
 tcagtatata cttgaaacca gtgtctatcc aagagagcac gagtgttga aagagatacg 180  
 caagatgact gcaaaacacc cactgaacat catggcaaca ccagcagacg aaggacaact 240  
 tctgagcatg cttgttaagc tcacga 266

<210> 37050  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946231H1

<400> 37050

ctttttgcta gtacacagaa gtttgatacc ctagttgact acaatcctgt ttatgtgtca 60  
 tctttccgga agcaagaact ccaggggtggg gcaaggctgc ttctaccaat tgggtgtcaat 120  
 gacactgtaa ttccagtata tgatgatgaa ccctcaagta ttatagctta tgccttaatg 180  
 tcaccagaat atcatttcca attaaatgat gaaggagaaa ggccaagaga aggaaatgag 240  
 ttcacttcat catatctttc tgactca 267

<210> 37051  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946232H1

<400> 37051

gtgacaaaagt gttcactgct ttgtgccaag ggaagatcat tgatccactt ttggaatgcc 60  
 ttgggggagtg gaatggggca cctcttccaa tatgttagtt tttcttattt tctgttttct 120  
 tgaagagtgg tttcttttct gtacacgtgt ttgtgttgat attaagcatt tggtttgtct 180

atataaggct gtggcaaadc aatccacata caacaacttc ccagttttcc ttgatgtatg 240  
ccatgcaagg aacttgtaat tcata 265

<210> 37052  
<211> 272  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946233H1  
  
<400> 37052

gggtgggtgg tgtgattgag tatgagcatg aattctctcc tagcaagcac gcgtgcttct 60  
tcttctccat tataccaaca ctcttccacc ttgacactca gacaaccca ttttcttttc 120  
atctctcca attccaagtc gtctgccttt ccattggttg catattgttc ctctgccctt 180  
tcaccaatg aatcagacca aaccattctt ctaaacgaaa cctttcattc tcaagtcaca 240  
acccccaaaa tccctccctt tgtatctcct gt 272

<210> 37053  
<211> 271  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946234H1  
  
<400> 37053

ttcttttctt actctcttcc atgcaacctc ctgctgcaa gaacaatgat cttcccaact 60  
cagaaacctc aacaacaatg aaaggctaaa ggaacagcag catcagcatc tccattgttg 120  
tggtggtggt ctccatattc ctctttgggg tcttcattga caacgaggac gttaagtcaa 180  
tggccgagtt cactttcttg aggcctaagg ctcaagaaat ccaagaagaa acggtttcca 240  
acaacaattc aagatctcaa ccagagagaa a 271

<210> 37054  
<211> 267  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946235H1  
  
<400> 37054

acagagtcct gatattgctc aaggtgtgca cggccacctc acaaagaggc ctgaggagat 60  
 tgggtgctggt gaccaaggtc atatgttcgg ctatgccact gacgagactc ccgagctcat 120  
 gcccttgagc catgtccttg ccacgaagct cggtgccaag ctcaccgagg ttcggaagaa 180  
 cgggacatgc ccttggtgta gacctgatgg caagacccaa gtcactgttg agtactacaa 240  
 tgacaagggt gccatggttc caatccg 267

<210> 37055  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946237H1  
 <400> 37055

actgaaagtt cggtgcaaac acaagaatta attggttgaa gtaaacctca actgtgccca 60  
 gaaccatcca atgctgtaaa ttactccctt ggtactgtat ctgggccccca ggatacaggg 120  
 ataactccag agaaccgaac atgcaatcct aagagatgta gatttttttg ctgtacgaaa 180  
 ggagctcgag gtgcttcggg gctttgtatc gggcatggtg gtagacagag atgtcagaaa 240  
 cctggatgct acaaagggtgc tgagag 266

<210> 37056  
 <211> 269  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946238H1  
 <400> 37056

gtccaaaatc aagcaaattg atgatgcact gaaagccata gacaaggata tccagtctct 60  
 acaggaggaa ctgacagctg tttctcagaa gagggacaag gcttttgaga gcatgcagca 120  
 gctaagaaaa cagcgcgagg aggggaacac ctatttctac caaagtcgta cagttctgaa 180  
 caaagcacgg gagctggctg caaagaaaga tattaatgct cttgatgaag tttcacagac 240  
 agagggtgag aaatttatgg cactctgga 269

<210> 37057  
 <211> 268  
 <212> DNA



<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700946239H1

<400> 37057

cttcctgaac cgaatctaatt tggagagagg cttcagtcctg ccaccaacag aaatagttat 60  
cgtcaagtcc aactccaca ttgtatcaga tccatggatc atcgtcattg gcgcttcttc 120  
attatgcttt tcattaccgc agcagcaata ggacttgctt cgtcgtagg gataaactac 180  
ggccaaatag cgaacaatct tccttcacaa gacgacgccg ntgcgttggt gaaatccatc 240  
ggagcgacga aggtgaagct ctacgacg 268

<210> 37058

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700946240H1

<400> 37058

gaggtggtgt ccattgcagt tttctaataa aaacaacaaa atagacacct gttaagaagg 60  
aggacaacga tgggtctgcc gctatttact gctttcatc tctttgcttt tattccgaat 120  
ggattgttag cagttccttc caccgtcccg gcattccttt ggatcaca ttatgaactg 180  
gcctctgaaa atatattgaa ggaatctgta aattaccaag tcatttctcc gaagatctag 240  
caaatctat tttatctgaa gcag 264

<210> 37059

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700946241H1

<400> 37059

aagatgtcaa agaaacatta ctttaaggaga ttccctccgc taaagttgat gccatggagt 60  
tagatctcag ttcatggag tctgtcaaga aatttgcac agagttaag tcctctggtc 120  
ttccattgaa tatgttgata aacaatgcag gaattatggc atgtcctttc aagctctcta 180  
aagacaaaat tgaactacag tttgccacaa atcacttagg tcattttctc ttgaccaatc 240

ttttgttgga cactatgaag aaa

263

<210> 37060  
<211> 267  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946213H1  
  
<400> 37060

accttccaca cttaatagga acccaaaaaa aaaaaaaaaa agtaagccca gctttgttct 60  
gctccaatcc tcacacaatg gcgatggctt tcaaaatggc gactactggg atgtgggtta 120  
cggatgagtg caagaactca tccatggaaa tgaagtggaa gaaggtgccc agatacatag 180  
tcttcaagat cgctgagaag tcaaggcttg tcaccgttaa aaaggctcggg ggccccggcg 240  
aaaactatgg taatctcgct gccccct 267

<210> 37061  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946177H1  
  
<400> 37061

ggcggatgta gtgggcctgg accgtcgggt cgaagagtcc gatttcgaga aactcactta 60  
tctcaaagtgt gccctcaaag agaccctccg cctccaccct ccgataccgc tcctcctcca 120  
cgagacggcg gaggacgcca ccgtcggcgg ctacttcgtc cccaggaagg cgcggtgttat 180  
gatcaacgcg tggggcattg ggagggacaa gaattccggg gaggaaccgc aaacttttaa 240  
gcccccccg 249

<210> 37062  
<211> 251  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946178H1  
  
<400> 37062

agcaaataca gaaaaaaga gtcaagcggc gagcaatggc gacatcgctg gtgcgatcgg 60

gttttcttcg aagcgcccta agaggaagcg ctctgtggctc ccagggtccg aagcgaaact 120  
 ttgcttcctc tggatcatcac gatgatgcat atgagacggc caaatgggag aagattacat 180  
 atctaggcat tgtagttgc actgggttag ccgtttataa tctatcaaag ggccaccac 240  
 acttcaaaga a 251

<210> 37063  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946179H1

<400> 37063

ccttgtaga agtttatgtt gtgtttaaag tatatatatt tgctgggcat aactatgggg 60  
 aggttctatg ttgcagtagc agagaccata ttatgtggca gtggatgggt tttcttgaat 120  
 gcggcttttg agtcctatta tttattgagt cagtagttgt attggttaatt tatacagagt 180  
 cggatattga tttgagtga tacagtatcc agaaaccaat tttatgggtgt attcaaata 240  
 aagaattagc gc 252

<210> 37064  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946180H1

<400> 37064

attggaggca gggaaacccc agagggccaa aaagctattc aaacattgaa ggatgtttat 60  
 gctcaatggg tccccgaaga aagaatactg accacaatct ttggtcggca gaactgtcta 120  
 agcttgctgc taatgccttc ttagcacaaa ggatttcac tgtcaatgcc atgtcagcac 180  
 tttgtgaggc tactggggca aacgttcaac aggtgtccta ttctgtgg 228

<210> 37065  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946181H1

<400> 37065

tggagcgtct ctccgttgat tatggcaaga aatcaaagct tggtttcaca gtctaccct 60  
ctcctcaggt gtccacctct gttgttgagc cataaacagt gtccctctcca cccattctct 120  
cttggagcac accgatgttg ctgtcctctt ggacaatgaa gccatttatg acatctgcag 180  
acgctctctc gacattgagc gtccaccta caccaacctc aaccgccttg tttctcaggt 240  
gatttcatct t 251

<210> 37066

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700946182H1

<400> 37066

actcgagccg attcggctcg agtgagacca agccccactc aaccaacaca ccactctctc 60  
tgctcttctt ctacctttca agttttttaa gtattaagat ggcagagaca ttcctattta 120  
cctcagagtc agtgaacgag ggacaccctg acaagctctg cgaccaaatc tccgatgctg 180  
tcctcgacgc ttgccttgaa caggaccag acagcaaggt tgcctgcgaa acatgcacca 240  
agaccaa 247

<210> 37067

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700946183H1

<400> 37067

attctctaaa agagatcttt ttctgctctt tgaagaaaga agggctcttg cttgattttg 60  
gagatgtctc tgctctcaga tctcatcaac cttaacctct ccgataccac cgagaagggtg 120  
atcgagagat acatatggat cgggtggatca ggaatggacc tgaggagcaa agaaaggact 180  
ctcccaggac cagttagcga cccttcagag cttcccaagt ggaactatga tggttccagc 240  
aca 243

<210> 37068  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946184H1

<400> 37068

cacacagtgt gcagcagcag cagcaacaac aagagaagaa gatggctctg caactatggg 60  
 agacattgaa ggaggccata gttgcctaca cggggctctc cccgcacacc ttcttcaccc 120  
 ttctggccct gatactagcc ctatactacg tcgtttcttg gctcttcccc tctttccgac 180  
 caccgccaca acaccgcctc gcgcgacttg gagcaccaga tggagcctct gcgaccccc 240  
 gttcagatcg g 251

<210> 37069  
 <211> 193  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946187H1

<400> 37069

aattcaaaag ttatggaaat gttgtcacc attatgctat gtatatgcct aaatcgctct 60  
 gtgtctgtgt cgtacttctc caaataccgt ataccttcaa gaatccgccca cttccgccag 120  
 gtcctagagg acttcccata ataggggaatc ttcatacaact agatagtccc tagcttcatg 180  
 agcagctatg gca 193

<210> 37070  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946188H1

<400> 37070

cattcaaaag tttttgaaat gttgtcacc cttcttctat ttctatgcct aactcttct 60  
 ttgtttttgt tgctcttctt caaataccgt aaaaccttca agaatccaac acttccacca 120  
 ggtcctagag gccttcccat aataggggaat catcatcaac tagatagtcc ttctcttcat 180  
 gagcagctat ggcattctctc aaagaaatat ggtccattat gttcccttca atttggatta 240

aggccag

247

&lt;210&gt; 37071

&lt;211&gt; 243

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700946189H1

&lt;400&gt; 37071

ctggaccaga aaccagcga catgcatctg ctataagaag gaagatcacg atattgggga 60

ccagacttga tagcttgcaa tcccttttgt caaggtccct gcaaaaactg agaaggagat 120

gaatcgctgc aaggacatgc ttttgaattt gaggacaaaa gttaaccaa tggtttcaac 180

attgaacatg tcaaactttg caaataggga tagtttgttt gggccagaaa taaaatcaga 240

tgc 243

&lt;210&gt; 37072

&lt;211&gt; 234

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700946190H1

&lt;400&gt; 37072

gagaatcgta acaaaagcgg taaccggaat aagttgtctc tacgatttga gccatggcaa 60

caacaacacc ctcaaaccga tcatcagagg cgttgtctc atggcaatcc tcagcactct 120

gctttgcacg gcggtggcgg cgaaggagag cgtgtacgag atactcccca agtacggcct 180

cccgagcggc ctgttaccgg acaccgtcac cgactacacg ctgcacgagg acgg 234

&lt;210&gt; 37073

&lt;211&gt; 95

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700946194H1

&lt;400&gt; 37073

cccagaccaa tttaagagct cctttgactt tattgatggg catgttaaac cagtgggttg 60

aaggaaaatc aattgggtga aagctggact tatag 95

<210> 37074  
<211> 127  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946195H1

<400> 37074

ggaacttgca tgcaaataaa atagtggcgt tttacaagct agtgatatct agtcactact 60  
gcgtatcgcc acaaggatgt gcatattgta tgaaaaaatt gcggagttat tatcattgat 120  
taaaaag 127

<210> 37075  
<211> 128  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946196H1

<400> 37075

taaagtggta cttgagagtg tgtctcttta aatttttgtg atacacatat agtatatatg 60  
tatctaaatc aaatcttgta ttctttaaac atgaaaactg aacagcttgt aattgtttga 120  
cagtttca 128

<210> 37076  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946201H1

<400> 37076

tgcgattccg tgggtggcgac atccgagccg gcaatggcag ccgtggccgc tgccgacctt 60  
tctcttagac ggtatcctcc aactggtgcc tggacatcag ccgctccgcc gctctggcag 120  
gatcgcatc accacctcct cgcgatctc ttaggaatcg tcgccgccgt cgctctcggt 180  
cgattagtgc gaatctacat gagagtgccg gctgtatcga tggaccacgc agaacgtctt 240

<210> 37077  
<211> 274

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946202H1  
 <400> 37077  
 attccattgg tccaactcca cacaccttgc aagagttact ggagacaacc ttgggttctc 60  
 tcttgtcagc acttatgcag cactgtgata cccctcagag gagattccca ttagagaagg 120  
 gtgttctctc accatggtgg ccaactggga atgaagaatg gtggcctcaa attggtctac 180  
 ctaaagatca aagcccacca ccttacaaga aaccacatga cctaaaggag gcatggaagg 240  
 ttggtgttct cactgcggtc atcaagcata tgtc 274

<210> 37078  
 <211> 271  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946203H1  
 <400> 37078  
 attcaagaga acatgaaagc aatcgatgtc attccattac tgactcctgt tgtgatggag 60  
 aagattgaag ctgttggttca aagcaagcca aagcgccctg aatcataccg atgaattgaa 120  
 gtttttccat ggtggacaca tatatgcatt agatgggagg ctccgtcacc cccgtgcact 180  
 tgagtgaaaa ttcttggtga aaattattgg tgtggttgat gtgatttctt gggacttctt 240  
 ttctttgtca ttttttcttt ctggcactga t 271

<210> 37079  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946204H1  
 <400> 37079  
 ctgctgaggt ggccttgagg cttgtcaggc cgggaaagaa gaccaaggat gtaagtgatg 60  
 caattcaaaa ggttgctgct gcctatgact gtaaaattgt tgagggtgtt cttagccacc 120  
 aaatgaagca gtttggttatt gatgggaata aagttgtgct tagtttgtct aatccagaca 180  
 caaggggtga cgaagcagag tttgaggaga acgaatttat gctattgata tagtaacaag 240



cactggggat ggcaagccta agctgttggg

270

<210> 37080

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700946205H1

<400> 37080

ccatttttgg gataagttcc gcaaagctcc tgatggttct ctcaggaaaa atacagctca 60  
gaaacaagtt ttggaagcaa tgtctcacag aatgcatgta gacaacagtg taaaactgat 120  
tggaagctt ttatttggca ttgaaaaggg tccagaagta ctcaacgctg ttagaccggc 180  
tgatcgcca cttgttgatg actggcactg cctgaaaacc atggtgagga cttttgagac 240  
acattgtgga tccttgtctc aatacgggat g 271

<210> 37081

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700946206H1

<400> 37081

ctacgcgttc gtgtcgcggg gaacagtgat tctcgcggag tacaccgaat tcagcggaaa 60  
cttcaactcc atcgccttcc agtgccttca gaagctccct gccaccaaca acaagttcac 120  
ctacaattgc gacgcacaca ctttcaatta cctcgtcgac aatggctaca catattgtgt 180  
tggtgcagat gaatcaattg gaagacagtt acccatggct tttctagagc gtgtcaaaga 240  
tgaatttgtg tcaaaatatg gtggtggaaa g 271

<210> 37082

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700946207H1

<400> 37082

ctcgagcgcg ggcgatgaag aggcaatgca agagttcatt gccagaggtg gaatgattgg 60

aacaaccatt ggtcccaaag ggatgggttaa gggtgataag gatgagagtg actacaagaa 120  
 ggagctgaag gacaagaagt ttgggcaaga ggctcagaaa ctgtggatga ggatgaggag 180  
 tgaggtcatt gctgagcttc aggagaaggg ctttgatgtg gaatgaatga gtgcaatgag 240  
 tgctcaaaac tattggtggt agtaaatat 269

<210> 37083  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946209H1

<400> 37083

ctttgctggt ttgtactttg ttgctctctt ctctcaatc attgcaactg gtattcttga 60  
 gttgaaatgg agtggagtga gcattgagga atgggtggaga aatgagcagt tttgggtcat 120  
 tgggtggtgta tcagctcacc tctttgctgt tatacaaggt ctgctaaagg ttctggctgg 180  
 aattgacacc aatttctactg ttacatcaaa ggcaacagat gatgaagagt ttggagaatt 240  
 gtacaccttt aagtggacta cactctt 267

<210> 37084  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946210H1

<400> 37084

gcagggcatg aatcaagcaa caccaacttt gctacccgag tccccattat ctgtccatgg 60  
 aactcctctg cgcgaggacg ttcatggggc catcaaggat caccataatt caaagaaaag 120  
 aaagataacg cccaaatgga tggatcgtgt aagagtgagc tgtgagagtg gtcttgaagg 180  
 accacatgaa gatggttaca actggagaaa atatggtcag aaagacatcc ttggagccaa 240  
 atatcccaga agttactata ggtgcac 267

<210> 37085  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946211H1

<400> 37085

gttgcggaagt ttgccacctc aaaaaaggct ttttatgacg cttttgcaaa gtccatgatc 60  
 aaaatgagta gcatcaatgg tggacaggag gttagaaagg actgcagagt gatcaattaa 120  
 aaagtcttaa attaattcaa gttaaattga tgtttcaaac aagttagaag tatgaacttg 180  
 ttggatcaaa tttcctagat ggcaagaata ttatgtcttt ttcctctatt aaagaaatat 240  
 gtatatattat ctgaagttaa taaatatat 269

<210> 37086

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700946212H1

<400> 37086

ttatggcggc ccggggacgt tctatcacca ctgcgcggtg atgcgacctc cggcggcggc 60  
 gcagggatac tacgctgtgc agaggatggg ttctgatggc taccgtgaac agcaggcggc 120  
 gtacggaggc atggctgcgc cgaaagcggg gttttcgacg gcgggggatgg ttaaggggcc 180  
 ggcgtattcg gagggatata gtggcggcgt agtaaagcca gcgggg 226

<210> 37087

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700946176H1

<400> 37087

ctcactcact ctgcactcac cactgccaca cttcaatcgc actaatggct gtcaccttct 60  
 cagatctaca caccgaagag ggcataaat ccctcgatca attcctttct gggaaaacct 120  
 atatttctgg ggatcagttg acaaaggatg atattaaagt gtatgcagct gttgtttgaa 180  
 aagccagggg aaacttttcc taatgctgcc aagtggtagc atgctgtctc ttctaaatt 239

<210> 37088

<211> 100

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700946146H1

<400> 37088

ggaggaggag ggtggtttta cgcgacttgc ctcatctgctc tgcgattgcg agcctttgac 60

ggaggatgat ctggaagcca tcgaagcctc tctttccaat 100

<210> 37089

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700946147H1

<400> 37089

tggagctacg ctttctcata ctcccagcag aaatggttct aataatccat caccttgat 60

tacggaacct tctatcaagc ctgtgcaaga caagcaagaa tataaacacc ttgaagctcc 120

gagcccttct aacaataatt cttcgttgga tactaatgaa atcgaacagt cacacataaa 180

caat 184

<210> 37090

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700946148H1

<400> 37090

ccttgaagaa ggacaggaac cccaagtacc ctgcattag cgccccgccg aggaacaagc 60

ttgatcatta tcagatcctg aaataccccc tcaccactga gtctgccatg aagaagattg 120

aggacaacaa cactttgggtt ttcattgtcg acctgcgtgc cgacaagaag aagatcaagg 180

atgcggtgaa gaaaatgtat gacatccagg ccaaaaaagt gaacaccttg atcaggcctg 240

atggcaccaa gaaggcata 259

<210> 37091

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700946149H1

<400> 37091

cagctcgagc agctcgaggg gctcgagcgg ctcgagctgg aaaattgtag atagcaagag 60  
 tgaccaaatt cacttgcata cctgaaacac caagagacta ggatgtcttt gcctttcata 120  
 tataggcttt accaatttgt tctccatgta ttttcggtgc tggctaaatg gatgtctatg 180  
 ccttccgtga tagagccaaa gtagtgtagt tttctttagt ccttactttt ccctgcctt 240  
 catatgggct tgggtg 256

<210> 37092

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700946150H1

<400> 37092

atccccccat tgaatatagt catgcttatt gttggtacac gaggagatgt gcaacccttt 60  
 attgcaatag gcaaacgcat gcaggactat gggcatcgtg ttagattagc aaccattca 120  
 aattttaagg agtttgtttt gacagctggg ttggagtttt atccattagg aggtgatcca 180  
 aaagtctctg ctggttatat ggttaaaaat aagggttgc tgccatcggg acctt 235

<210> 37093

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700946151H1

<400> 37093

ctacacaaaa gtcttcgtcg gaggattggc ctgggagact cagagcgaaa ccatgcgccg 60  
 ctacttcgac cagttcggcg agattctcga ggccgtcgtc tcaccgataa gaacaccgga 120  
 agatccaagg gctacggttt cggtataggt gactttccgg gatcccgagg ccgcaaggaa 180  
 gagcgtgtgc tgatccatct cctgttattg atggcagaag ggccaattgt aatttggctt 240  
 cacttggtcg ac 252

<210> 37094  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946152H1

<400> 37094

gtccttgcat catgatgata agaagcacca tgatgatgaa gataattggt ctgttgcttc 60  
ctctagcggt gcatctgcac gcaactgcaa gtctaaggta ctgtagggtc agccccctact 120  
tctagatgct cggatcgtgc agagaaacgg atggagtttt atctgaagtt agaggagaaa 180  
catcgagctc ttgatagaag aaaaacacca ctatgaggca acgaataagg aagaggaaga 240  
tgcagccat 249

<210> 37095  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946155H1

<400> 37095

tagagggggg gttcaacata tcttacgtaa agccaaaaag ttgatataaa caaattaaag 60  
atgatgaact acttttgagg ctgccacggc cttgtgatat cttggtgcta attgcatctc 120  
cggcagaagg agaggacaac caccctttgt tggagttatt atcaagtaga gatgaagtgg 180  
tgcaaattgc tggctatgga gaggagaagc tttccacagt cctcattaca ggctcagtta 240  
cttgtgaggc 250

<210> 37096  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946156H1

<400> 37096

ctcgagccgc tcgaagatga tggctactcc gatcgctggg gatcccaaga gtggttacct 60  
gctactgtga gagtgggtggg ggaatagtat attattcaaa cagtgggtggg gaatcgtgat 120  
atccgttttt ttttgtggta gaaatgtaaa tagaacactt tggcatgtat aagtcaaaga 180

cgcgtagtag aaccaaggaa aaaccgttac aaggctcttg tcgggggtgt caattttttt 240

tcccttagaa aaa 253

<210> 37097

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700946157H1

<400> 37097

gaaactctct ctctctctct ctctctctct ctagaaaccc tattgcacgt ttgcaatcg 60

aactcgacaa tggccaacag caacctccct cgaagaatat caaggaaacg cagcgtttgc 120

tcagtgagcc agcacctggt attagtgcct cccctctgg agagaatatg cgatatttca 180

atgtgatgat ccttgggcat acccagtcgc cttatgaagg aggcgttttc aagttagaac 240

tatttttgcc ag 252

<210> 37098

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700946158H1

<400> 37098

ggaacctaatt tgaggctgct gagcaagagt atgagaaaga aaagctgaat gagagaattg 60

ctaaattgtc tgggtggtgtg gctgtgatac aggttggcgc acaaactgag acagagctca 120

aggaaaagaa attgagagtt gaagacgctc ttaatgctac aaaggcagct gtagaggaag 180

gtattgttgt tgggtggtggt tgcactcttc tgagacttgc atcaaagggtg gatgcaatca 240

aggatagc 248

<210> 37099

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700946159H1

<400> 37099

gtttgttggt gtaactcggt cttcttcttt tgttggtctg tgtttggtgt tgttttttct 60  
 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaagctcc tgcaagtgcg 120  
 gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180  
 ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaatgg 240  
 gtgtgcccgc tg 252

<210> 37100  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946160H1

<400> 37100

tgactcgggg tgagttgact cagcgatggc ggaagagggtg actcgggtga tgggtggcagt 60  
 gaacgagtcg agcatgaagg gataccctca tccttcgatc agcagcaaag gggctttcga 120  
 atggaccatc aacaagatcg ttcgcaacaa cgtctctgcc ttcaaccttc tttttcttca 180  
 cgttcaagtc cccgatgaag atggttttta tgacatgggt agtatct 227

<210> 37101  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946161H1

<400> 37101

cgttttgcgt ttctctgcct aaaaggattg aaagatgggt caagcactag gttgctatca 60  
 agttgatcag tcaaagtgg ctatcaagga gcattttgga aatttgatga tgcctagaa 120  
 cctggatgac attgcctgac ttggtgtctt ggtaccaga ttgctggtag tttgtcactg 180  
 cgtgtgcagc aacttgatgt tcgatgtgag acgaaaacca aggacaatgt ctttgcact 240  
 gtggttgcac ctg 253

<210> 37102  
 <211> 252  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700946162H1

<400> 37102

atgttttttaa gataatccct ggatatgaga gagtgtcagc atctgatgct gacccttctg 60  
 atgttcatct ctacaggctg caacgtggct tgacaaatgc agttactcaa gagatcagtc 120  
 ctagtgtga tagcatgcgg attatgataa gttcctcaag gggcactagc catctatggg 180  
 ctataaatcc tcaaggagga ccagtagata ttctgtcatg tgacaatagt ttagcagtga 240  
 ataatggtgg at 252

<210> 37103

<211> 90

<212> DNA

<213> Glycine max

<223> Clone ID: 700946163H1

<400> 37103

atgttttttaa gataatccct ggatatgaga gagtgtcagc atctgatgct gacccttctt 60  
 atgttcatct ctacaggctg caacgtggct 90

<210> 37104

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700946164H1

<400> 37104

ataaacctaa gatgatgctc ggaaagagac ctgcctctcc aatgaagaga acaacaagca 60  
 tgtccgaaat gaccttggat ctgaacacag ccgccgatgc cgccgccgcc gccgaccaac 120  
 agagatcagg tggttggtccc tcggcagcag cagatcagac tacgaggatg ttggcatcac 180  
 ccaaaatcct cagaagacat tcttcgtatt tcggcgacgc gcgtcacttc cttcgtgcgt 240  
 gttccctctg caaac 255

<210> 37105

<211> 187

<212> DNA

<213> Glycine max

<223> Clone ID: 700946165H1

<400> 37105

gcgagccagg gttttggttt ttgtaaggcg aaaacagtga gagcgggtgtg gtgcttagtg 60  
 cccacaccaa ttaccaatgg cagtggagaa gacggagcag aactccgcaa cgagatcgat 120  
 gaagctcttc gccaacagcg cgagatttcg gaaaggcttc gagatcctcg aggtcttcgc 180  
 agaggtg 187

<210> 37106

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700946166H1

<400> 37106

tgttcattgt ggagccatta tagcagggtg attatagtct ccatcagaga tataggttta 60  
 atgtggaaac tattgaatgt ccaattat 88

<210> 37107

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700946167H1

<400> 37107

cagagcttca tcacgaactt gcaagcgttg gattgtgctg agactttggc aatgaaaatg 60  
 aaaagatcga atattactgc agatgtttat ggtctctgtc acataagcct taaagacttt 120  
 tcctccaag ttggaaatca agaggctggt tgtctattac ctagtttgcc ttcagatgct 180  
 acatttgaca gtgtttctgg gatcagcttc ctctgtgac taaatgataa tattccagct 240  
 ccttgg 246

<210> 37108

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700946169H1

<400> 37108  
gctgatgagg atgagtatga ggaggaagag gaggaggagg agtatggcca acatgatatg 60  
tgatTTtgaa cttggtaatg tattgCGgtg gottgaagat gtataacatg ccgcaacttc 120  
ctgttgccgg ttgattgtct cttttgaggg gatggttctg ttccggctag atctagtttc 180  
cattactgtt ctataaaact ggttctgttt gtttccgttt ttatgtaacc tgttgtttgt 240  
agggaagaca 250

<210> 37109  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946170H1

<400> 37109  
gctggtagct gcatgccaac gcaggattga ggaggaagat tcaagtgcaa gttctgcagc 60  
tgagaggaga agagtaacat gggaaaggct agaagctgct gctgctaatt gtgtcccagt 120  
tcaatctact acttctgtag gtggagctgg agatgtttta gtcccaataa attctgctaa 180  
atgctcagtg gaatgctaag ctaattaatt ggtttgagta atgatgtaag gttaagggtg 240  
ttctaattac 250

<210> 37110  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946171H1

<400> 37110  
catatttgta aactaggtt aggtcttaga aatttaccac aaccaatata attatctcac 60  
agtttttacc cctgctgctc cattaaaagc caatattctg tgtttcataa aaaattacca 120  
aatggtacat tcttttgggt gaatctaagg tatttgtttc aatttaatta tttttcatta 180  
gtattgatga attaaatatt ttttttataa aaatagaggt aatatttttc atgtgaaaat 240  
caatgactaa 250

<210> 37111  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946172H1

<400> 37111

ctttgcttag aattccacag aatatggaga cagttctttt caatgactcc ccacctttgg 60  
 agttcaaggg tatgagcaag gaggaggaag actcattgct agggcaagtt gaaatatgga 120  
 ggtacatgac atgcttcacg gactccgtgg ccttgaaatc cgtcatagag ctgcgcatag 180  
 ccgacataat agaccgttat gggaaaccac tatecttgtc acaaatcgtg gagaacatag 240  
 atgatg 246

<210> 37112  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946173H1

<400> 37112

ctgaattcca gaccaacttg gtcccatacc ctagaatcca tttcatgctt tctcatatg 60  
 caccagttat ctctgctgag aaggcctacc atgaacagct ctcaaggcca gaaattacca 120  
 acagtgcttt tgagccatcg tccatgatgg ccaagtgtga tctctgtcac ggaaaagtac 180  
 atggcgtggt gctgatgta ccgtgggtgat gttgtgcccc aagatgtaaa cgctgctg 238

<210> 37113  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946174H1

<400> 37113

ggaactcgga cggaatctat cagggtgctt gtcaaaaagt tgattggaat ggcattgggtg 60  
 aaccaaatac ttcatacaac tgtacttctc aagtaactgc aaacctgttg ctgaaggcca 120  
 actagaagga cttcgggact tgaacaagca tgtcaagggtg acaacaacgg aggcaaagtt 180  
 attgctgat ggatctctca cacctcagag attgcttctt tategccatt cagcttcac 240

tgttaa

246

&lt;210&gt; 37114

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700946175H1

&lt;400&gt; 37114

ctgcaacaaa actgcatcac atacacctga atcctcagat tagcatatta tacctcacia 60

catcaccacc atcctgactg agaaagaatt ctgagtactt tctgatctca ttgctcttaa 120

atccccatgc aatcttctca tatttggtt tcaacctcag taccttatcc tctcttccat 180

gaatgcagct ggtagcacca tctttctoga tgacgactcc catatgataa gcaaggtaa 240

aacaatctcc a 251

&lt;210&gt; 37115

&lt;211&gt; 254

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700946145H1

&lt;400&gt; 37115

agcctctttt acagttcagt ctcttgtaa agcaaatgg tcttagaaga gtgtgtagtg 60

catgatgtga ggctatcctc agttgggcca ggccgggcca caggtcggag gtgttcaca 120

gcccggtgg cttggacttg gccatgaagc ttcactatct cagggtggtg tacttctttg 180

gctagtgagg ctgcacaaga cctaaccatc atgaaaatta aggaggccat gttcactttg 240

ctcaaccatt actt 254

&lt;210&gt; 37116

&lt;211&gt; 142

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700946112H1

&lt;400&gt; 37116

atttcttctg ttgtctgtat tgcagaatgc aacgctactt ttaaaacagt ggaaatgtaa 60

agcccaatta aaaagtttaa aattttaacc ttgtattgac agtattgtac gaatatttag 120  
agaatgattg gtttggctct gt 142

<210> 37117  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946113H1

<400> 37117

cgagcattcg gttttgaatc ttttgagcga aaatgcagtc gagtcctttg cttctggagg 60  
aacccataag gatggcctcc atcctcgagc catccaagcc tagtttcttt ccagcgatga 120  
caaagattgt tggcacactt ggcccaaagt cacgatcggt tgacgtgatt tcccaatgtc 180  
ttgaggcagg aatgtctgtg gcaaggtttg attattcatg gggatgatct gaataccacc 240  
aagagacggt ggaaaattta agg 263

<210> 37118  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946114H1

<400> 37118

aatttgtgtt gactcacttg gatagccgtc agcttcttat taaatcaaat cccggggaag 60  
ttgtgaagcc tgattcatac aaggctataa atgatgaggg aatgcccattg tatcagaggc 120  
cattcatgaa ggggaaactt tacattcaat tcaactgtgga gtttccagat tctctaaacc 180  
ctgatcaagt taaggccttg gaggctgttc tgccaccaa gccttcttca caattgacaa 240  
acatggagct ggatgaatgt gagga 265

<210> 37119  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946117H1

<400> 37119

ctcgagtatc gctcttgcaa ttattcctct tctcgcaatc cgcactagaa ttctagggtt 60  
 ccgaaatgga cgctgacgga aagatcaaga agggcgccgg ctgaagatag ggcggcggcc 120  
 caaagaagaa gccggtttca aggtccgtca aagccggtct ccaattcccc gtcggaagaa 180  
 ttggcagtta tttgaagaaa ggaaggtacg ctcagcgtgt cggtagcggg gtcctccgtat 240  
 acttggtgc agttctcgaa tacctagctg ccgg 274

<210> 37120  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946118H1

<400> 37120

cggctcgagg gaacactgcc ccaaggtcaa acggatatgc atccacaagt ctcaacattg 60  
 gagcaccccc tcatcaaaca gatgtatcag gcacttctca tgatcatttt ctgccttcat 120  
 caagtgcctg aatgttttat gcagtgcctg aaaattatgt acaccagcct tctaattcta 180  
 attatgacag acaagcattt tctgctgctg atgggggttt tattgatctt acaatgggaa 240  
 atggacgagg gcctcacaag cgaaagagcc ctgg 274

<210> 37121  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946119H1

<400> 37121

attgtattaa taggttgaag gattttgggt ctgctactgc catcttgctc gtcctgcttc 60  
 ttacctagt ccaacagatt tgcacctttt caaggaagga atccgtctct atgggaggac 120  
 tctgctaact gcaatgggtg taaatggatt atacgattca aaaagggttg cactggccgt 180  
 ttatgtggag gacctggtaa tgcaaatatg gtcactctgta acatttggtg tcatccttga 240  
 taaaatgtat ggctatggca tg 262

<210> 37122  
 <211> 261

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946120H1  
 <400> 37122  
 aaacctctt ttttctctt ctgcaaac ctaattttca tttcttcct caaatttcaa 60  
 aatgcgtgag atccttcaca tccaggggtgg ccaatgcggc aaccagatcg gcgccaagtt 120  
 ctgggaggtg gtttgcgcgg acacgggatc gaccctaccg gaaggtacgg tggggactcg 180  
 gagttgcagc tcgagaggat caatgtctac tacaacgagg ccagttgcgg tcggttcgtg 240  
 ccgcgcgcgg ttcacatgga c 261

<210> 37123  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946122H1  
 <400> 37123  
 agcagcgatg ggaatcgatc ttaaggctgg gggtaagagc aaaaagacca taagaacagc 60  
 accagaatcc aatgacatct acctcagatt acttgtcaag ctttatcggt tccttgttcg 120  
 aaggactggc agcaatttca atgctgttat actcaagcgc ttgttcataa gcaagggttaa 180  
 caagcctcca atttctttgt caagggttaat gaagtataca aaggggaagg aggataaaat 240  
 tgctgtagta gtggggactg 260

<210> 37124  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946123H1  
 <400> 37124  
 cacaatcacc actcggatca gtatgcacac cagtctcaga aaaccacaa gaacaaaaat 60  
 cagatttttc caagactctt gagtgataga ctttgaatga aatcttgttt ttcattaacg 120  
 agattcaatt gaagtgaagt gattattcac tggaaaactt atttttcata gtattggagg 180  
 tacaactgaa gctgttagat ttgttttaac tacacgagtt cgttggatat ttgagcatgg 240



ctgggaatca agatcagttt g

261

<210> 37125

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700946124H1

<400> 37125

aaaaaagcca aactatcttt ctctttccat ctctctctct ttctctctca ttgattacag 60

ccaccgtttt ctctttcttc caacttgctt tggttcctct cctcaactaa agcctattcc 120

cttcttctca cccatgtcca tttgtagcat gttttctctt gagcacttca aagttcaaatt 180

ctttcacaca cactcattca tctccaacct ccacaccac ttgggtcact tctagaagat 240

ctatctgcca acccttttgg c 261

<210> 37126

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700946125H1

<400> 37126

tttagagaga agaaaacggt ggtcggagaa cattaccgga aagagaatct ttgttgattc 60

cagaaatgtc tagcatcgct tcctcacacc aaagcttcct caccaacgcc cttattccac 120

taacgcacaa cccaaagtgc aggaccactg ttactttccc ttcttcactc aaaactgtct 180

cttgagttc cccacaacat gaacagatac aatctccaag gaagaagaat gagaccagtt 240

agcaaaagtt ggcaatagtt 260

<210> 37127

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700946126H1

<400> 37127

attaattgca agaatggcac ttcgttgctt ggtgatgtcc ctttctgtac tcttcactct 60

tggctcttgcg agagaaagcc atgccagaga cgaagatttt tggcagctgt ttggccaaac 120  
 actcccatc caagttcatt gcgagatctt ctaaagcctg gccctgcaag tgttgaaatc 180  
 gatgatcacc ctatgcaaat tgaagaaaca cagtaccgga aaaccatctt ctat 234

<210> 37128  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946127H1

<400> 37128

tgataaccca taaccgaccg caccaccgtt tacctttgct gtgcgttcta caatgtcgaa 60  
 aacctcagag attattacat gcaaagctgc tatttgatgg ggagtaggag aacctgtgac 120  
 tgtggaagag atacaagtag accctcccag agccaccgaa gttcgagtta agatgctttg 180  
 tgcaagtata tgctccacag acatctctag cacaatagga ttcccacata ccaattgtcc 240  
 tatagcactt ggacacgaa 259

<210> 37129  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946128H1

<400> 37129

ttaaaagagc ctttgctttt tctttaggcc tttccgaatt aagtacttgt ttcattttct 60  
 ctcgaagcaa gaaaaatgtt catcgagagt ttcaagggtg agagtccctaa cgtgaagtac 120  
 acagagactg agattcagtc cgtgtacaac tatgaaacca ctgaacttgt tcacgagaac 180  
 aagaatggca cttatcagtg ggttgtcaag cccaaaactg tcagatatga atttaaaacc 240  
 aacacccatg tccct 255

<210> 37130  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946129H1

<400> 37130

ctcctcggtc gcattctcac cctttccctg tctctcagaa agatgaaggt ggctcgctgcg 60  
tatctgctcg ccgtcctcgg tggcaacaac acccctcca ccgatgacat caaggaaatc 120  
ctcggctccg ttggaataga ggcagatgaa gataggattg aatcggttctt gtctgaagtt 180  
aagggttaagg atatagttga gctaattgct gccggtaagg aaaagctggc ctcgggtgct 240  
tctggtggcg gtggtgc 257

<210> 37131

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700946132H1

<400> 37131

ttcggctcga gaggatagga aataaagttc ctctcattct aaaccatattc atttatttat 60  
tgatttattt tgctgattcc tttgctctta ggaggacca ttaaaaaaaaa gatttttcac 120  
cgtttcataa agatccagtg cttctcactt tattaataaa tcctgtctgt attatatgat 180  
ttttcatgtt atgaagaaaa tatatttggc tgtttttgtg aatcccatat gtaaaacaat 240  
gaccttttgg tatctaggag ctctctgctt acatg 275

<210> 37132

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700946135H1

<400> 37132

attcttcttg caggctctatt taggagagca gtacgtaaac aatgctacgt tgtctgacgt 60  
tacatttttg gttgaaggca aacgatttta tgctcataga atttgtcttc ttgcatcatc 120  
agattcattt cgtgcaatgt ttgatggtgg ttacaggag aaggaggcaa gggacataga 180  
gattccaaat attagatggg aggtttttga gttgatgatg agatttgtat attgtggatc 240  
agttgatgac actctgga 258

<210> 37133  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946136H1

<400> 37133

aagccccact caaccaccac acctctcctc gttcacgcta cccctttctg ctcttcttct 60  
 acctttcaag ttttaaaagt ataaagatgg cagagacatt cctatttacc tcagagtcgg 120  
 tgaacgaggg acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt 180  
 gcctcgagca ggaccagac agcaaagttg cctgcgaaac atgcaccaaa accaacttgg 240  
 tcatggtctt cgagaaaat 259

<210> 37134  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946137H1

<400> 37134

gtccagtcag aaatggtctt acaagggttg actgaaaggt gaatcggtga gccttcacac 60  
 tgaaagtggg agtagctctg ttgaatggat acgaggatca ttagtggcta aaaaacaacc 120  
 tttgacatgg tacaagacaa cttttagcgc accggctggc aatgatccat tggctctaga 180  
 tttgggaagc atgggaaagg gtgaagtatg ggtaaacggt cgcagcattg gtcgccattg 240  
 gcctggatat atagca 256

<210> 37135  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946140H1

<400> 37135

gcaaggaggg ttgggttttg ggtaggtat gagagtgaga acgaggaagg gtaagtgtat 60  
 tcacattttg tagagggcga tttcctagac tctgtcttgg gggcacaatt caattgtggc 120  
 tccgatcaag ggcgtagtgg tgaaggagcc gaagtggatg gtggcggctg cggcgacaac 180

ggaggagaag cataatgaga atttgagcag cgaggggagt ttggaggacg atgattcgtg 240  
gagagtcaga at 252

<210> 37136  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946141H1

<400> 37136

cacctcattg ccataccccc tttcaagcag gagaaaatct ctogctccct ttctctttct 60  
tctcttcacg ccgccatcac catgccttca ctctctctct cgaaactgac accaccaccc 120  
ctaaacctat ttccaacaaa aagaaaccaa agacccaatc cctcactgat cccgacctcg 180  
atgggggtttc ggggaagaag acgaagaagc gcaaggcttc agatttatta gaaccagagg 240  
ccatgcccgc cgctta 256

<210> 37137  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946142H1

<400> 37137

gaagatgccg ccaacaactt tgcccgtggc cattatacca ttgggaaaga gattgttgat 60  
ctgtgcttgg accgcatcag aaagcttgct gacaattgca cggactccaa gggtttttgg 120  
tcttcaatgc cgttggtgga ggaactggtt ctggacttgg ttcccttctc ttggagcgtc 180  
tctccgttga ttatggcaag aaatcaaagc ttggtttcac agtctacccc tctcctcagg 240  
tgtccacctc tg 252

<210> 37138  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946143H1

<400> 37138

ctcaactcct ggacgaggaa actgacgtag cttgtatcga cctttgtgaa ttgatggaga 60  
 ttccattttc ttcacgacaa actttcacia accttattaa gcatcacttt ctcccttccc 120  
 ttcccttcct tgtttcccag ctttgattta gagaaagaga gcgaaagatg ttgcagtgc 180  
 tattttcttct gtcagattcc ggagaggtaa tgctagagaa acagcttagt gggcaccgcg 240  
 tagatcgctc cat 253

<210> 37139  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946110H1

<400> 37139

ggcacacagt gcattcatca acttactttc acagatggtc cagatttcca aaatacattt 60  
 ctctatagac tgtgtaagca gaagaccttg gaacatttta ggaatattat tctgctatct 120  
 tccccccagg atgggttatgt gccttaccat tctgctagaa ttgaatcatg gcacgctgct 180  
 tcacgtggac acttcaaaga agggtaaact gttcctaggg atgttgaatg actgtttgga 240  
 gcacatccgt gccaaactcaa tgca 264

<210> 37140  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946144H1

<400> 37140

ctcgagccgc gatcagaaac atcgccgtcg gaaggcctga agaggcgact caccgccgaca 60  
 cgttgaaggc ggctttggct gagttcatct caaccttcac ctcggtgttcg ccggctcagg 120  
 ctccggcatc gctacaaca agctcaccga caacggcgct gccaccctg ccggcctcat 180  
 ctccgcctcc atcgcccatg cattcgccct cttcgctgcc gtctccgtcg gcgccaacat 240  
 ctccggcggc cagc 254

<210> 37141  
 <211> 252

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700946074H1

<400> 37141

atgatcttca tccttgtcta ctgcactgct gggatttcag gaggtcacat taaccagca 60  
 gtgacatttg ggctgttttt ggctcgcaag gtgtctttga tccgagccat catgtacatg 120  
 gtggctcagt gcttgggtgc tatccgtgga gttggtttag ttaaggcttt ccaaaagtct 180  
 tacttcaaca agtatggtgg tggggctaata tccctcgctg atgggtacag cacaggtact 240  
 ggattgggtg ct 252

<210> 37142  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946075H1

<400> 37142

aggatcatgcg aagatcacga gacaacatca ccgaggaaga tttgttgaat gaaataagtg 60  
 agataattcg ccttcccatg tatgctgaca ggatcagaat tgatagcaaa gcgaatcagc 120  
 atgctaattg cgcaaggcga aggtgatttg gtgggtggtt agatcagatc agggactttt 180  
 atgccttcaa tctttacatt ggtggtagtg ggtgacatca agtgaaaaca agatttcgtg 240  
 tataccccga t 251

<210> 37143  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946076H1

<400> 37143

atggactttt atgaaccttg cattttgttc attgtgtggc attgtagggg gaattgttgg 60  
 aggctactt ggttctggag gtggatttgt tttgggacct cttcttctag agattggtgt 120  
 cattcctcag gttgctagtg ctacagcaac atttgtgatg atgttttcat catctctgtc 180  
 agtggttgaa ttctaccttc tcaagagggt cccattcctt atgcattata cctcacctca 240

gtgtctg

247

<210> 37144  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946078H1

<400> 37144

gtgaaccagt gctgccccgt gcttcaaggc ctggttgagc ttgaagctgc ggtgtgtctt 60  
tgcaccactc ttaagctgaa gcttctcaac ctcaacatag atgtcccact tgccttcag 120  
cttagtgtgg cttgtggcaa gtctctcct cctggttaca cctgtccct ctaaaccagt 180  
gaaaggattg aggaaaatat ggtcaaaatc gacatgagag gatgtcgagc cacactatct 240  
ctcttctgtc ctga 254

<210> 37145  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946079H1

<400> 37145

cgaaatgaaa acccaaagtg cttctctcct ctgtcttttt ctctctcttg ctatcctttt 60  
ggctagtggc actgctgcaa gtgcaactcc aagaagcgca gtgccaagcc accatgtttc 120  
aacattcaac agaagccttt ttccttcac ttttctcttt ggacttggtt cttctgctta 180  
ccaggcagaa ggagcagcaa gtgtagatgg gagaggacca agcatatggg acacctacac 240  
tagacagcat actgaaa 257

<210> 37146  
<211> 103  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946080H1

<400> 37146

ctcgagccga atcggctcga ggagtcacct tgggtccagtt agctacaagg attacagctg 60



gagtacatgg tgtcgcccac cctgatattg atcatatttg gcg 103

<210> 37147  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946081H1  
 <400> 37147

cttcgaatct ctctgaaact tttctcttct ctttgattct tctctactcg ttcaacatta 60  
 gaatgagccg ttacaggat ccacaccctt cccgatcttt cttccctttt ggaaatcctt 120  
 ttccgatgat atcacctaaa ggctctcgca tgtctccaca acttcttgca gtgttgcaag 180  
 cttttgagggc aacattggca gagaggctga aaaatcttat gcctaaaagc acagatgaaa 240  
 tcttcacctt gtctt 255

<210> 37148  
 <211> 228  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946082H1  
 <400> 37148

atggaatcta aaggtttcac gattgcaa atgtaggtgcac aagaaatgta ctctcaaggt 60  
 tttctagcat cagtggatgt gaccaaattg gctgaagctc atgcaagtgt attcaaggca 120  
 atgaacaacg aggcttctgg tagatacatt tgctttgacc atgtaattga tacacatagt 180  
 gaggccgaga agctggccaa ggatattggg atgcctaagg caaagata 228

<210> 37149  
 <211> 237  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946083H1  
 <400> 37149

tcggcatcaa gatcacatgt tctcaggaaa ctgaaccatt gggaacagca ggtcctctgg 60  
 ctcttgccag ggataagctg atagatgact ctggagaacc cttttttgtt ctcaacagtg 120

atgttatcag tgagtatcca ctcaaagaaa tgattgaatt ccataaaaac catggaggag 180  
 aaggttccat aatggtaacc aaggttgacg agccatcaaa gtacggcgtg gttgtga 237

<210> 37150  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946086H1

<400> 37150

ctggaagtga agcaaatatg gcatactctc aacttcaaaa ggtgacagct aatgtgcaca 60  
 tcaaggcttc tgctgatcag ttccataatg ttttatgcaa caggacacac catattgccca 120  
 acattttccc tggaaaagta cagtctgttg aaattcataa aggtgaatgg ggcactgagg 180  
 gatccgtcat ctcttgaat tatttacatg caggcaaagt ttgtg 225

<210> 37151  
 <211> 112  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946087H1

<400> 37151

gcactttaga gcaaatgtt aggaaagaca tggcaagaag ggggacatgg atggaccttg 60  
 gacttgacac agaaacaatt ggttttgaga tgggtgaggc cattcttgct ga 112

<210> 37152  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946088H1

<400> 37152

gtaatattga gaaataatgg agggttgtac ttattgtgtg aagttgctat gccttgttgg 60  
 gtttgtggtg cttgtgagta ctattgcagg ggtggagagt gctggtgaat gtgggaaatc 120  
 taccacccag ataatgaggc ttataagctt gcaccatgtg cctcagcagc acaagatgag 180  
 aatgctagtg tttctcagag ttgctgtgct caagtgaaga aaattgg 227

<210> 37153  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946089H1

<400> 37153

catcttcttc ccaaccacta ctactcactc actgcagatc tcaattgcat cgctgtccat 60  
 ggctaccatc gttagcatca aggcccgcc gatcttcgac agtcgtggca atccaactgt 120  
 cgaggtggat ttgacttgct ccgatggtag ttttgccaga gctgctgttc caagtgggtgc 180  
 atccactggg atttatgagg cccttgaatt gagagatgga ggatctgact accttggaac 240  
 aggtg 245

<210> 37154  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946090H1

<400> 37154

ttggtatcgt ggctgctact gggatttctt ttatacagtt tgcaaatacc aattccataa 60  
 gaaatatcta tggtctgggc ctaaccttgt tccttgcat atcaatacca caatattttg 120  
 tcatgaacac tgcaccgat ggtcctgggc ccattagaac aggtgggtgga tgggttaatg 180  
 acattttgaa caccatattc tcttctggcc ccactgtggc tataattggt gggactcctg 240

<210> 37155  
 <211> 215  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946091H1

<400> 37155

ccttgtctcc ttgagctgca aaaaaaattt caccataattt tcatattcac atactttgtt 60  
 gatgatcacc atgctagcta tgcttcttgt tggatgatatt tcataaggcc ttttgttttg 120  
 catgctgggtg atacagcatc ttccttctcc acttgcattg ccattttctt ctctttgctc 180

tattctcact tcactatggc catgctaaaa caata

215

<210> 37156  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946092H1

<400> 37156

caagtctcga gactctttga ccacacgcac tcttcattca gagcttggtt acaactactc 60  
agggtctaag catattactg aatctttgaa aagatgcggc atctctgaca gcacaacttg 120  
tattccttgct gctcgatttg atgctagtcc tgatgagata aaagctatag ggaagctcat 180  
taacggcaaa gagattgacc tggaggagct agaagggaga gcaaaccaat cccagatata 240  
aaagattta 249

<210> 37157  
<211> 252  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700946093H1

<400> 37157

gcagtggaga ggtccaacaa gcaattcccc ttttacagaa agcatatgga gatagcatgc 60  
ataaagtttt gcatgttggt cctgatactt gttatgtggt ctctaaattg ctgaaggagg 120  
atgaaactga cgcctgggga atagaaccat atgatataga ggatgctgat aataattgca 180  
aagcacttat acgtagagggc agtgtgcgtg tgtctgatat caagtttcct cttccatata 240  
ggccanaatc tt 252

<210> 37158  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946094H1

<400> 37158

gggaaggcca ggctatgagc acttgaatga accactgcac gttttgattg aggccgaatt 60  
 acctgtcaat gttgttgata taaggctgag gcaagcacia gagatcatag aagagctact 120  
 caaacccatg gatgagtcac aggatctcca caaaaggcaa caactaagag aacttgctat 180  
 gctgaattcc aattttagag aagatagccc tcaactcagt ggtagtcct ctaca 235

<210> 37159  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946096H1  
 <400> 37159

gcaacactag cgactgttgc cgagtacatg gtggatggtt ctcttaggaa tgttttgctt 60  
 cgtaaggata ggtatcttga tcgccgcaag agactgataa ttgccatgga tgctgctttt 120  
 ggaatggata ttacactcg aaaaatattg tgcattttga cttgaaatgt gacaatttgc 180  
 tcgtgaactt gaaggatcct atgcggccaa tatgcaaggt cggtagtttt ggcctatcaa 240  
 agattaagcg a 251

<210> 37160  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946101H1  
 <400> 37160

cagtgatagg tttggtttgg aaggaagaag aaaatgaagg ccatagtgat aacgaggcca 60  
 ggaggtcccg aagtgtcca acttgaggaa gtggaagatc ccctagtcgg agacgacgag 120  
 cttctcatcg gagtccacgc cacttccctt aacagagccg atacctttca gaggaaggc 180  
 tctaccctc ccccttaagg gcgccagcca ttacctcggt ctgcaatgtt ccggaactgt 240  
 cttttccctg ggtaaaaacg tttccagctg gaaaa 275

<210> 37161  
 <211> 155  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946102H1

<400> 37161

cgggtagagg ctttatggat gtcctttaca tatccctttg cgatgttcat gaatgttact 60  
gtgacattca tgaacatcgc aaagggatat gtaaataaat gtcacagtaa cattcctcct 120  
tgtttgtttg catgcttggt gatctgtatg aatga 155

<210> 37162

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700946105H1

<400> 37162

cggaatctga aatgagtagt agggtttggt ttctactatt cttctgctg atctcgaaat 60  
gccatcaagt gtggggctcc tacgcggggt ccgctagctc catcgtaac cttccaaggt 120  
caaacagatt tcctggaagc caagagcttt cgtttatgaa ggtttcctca cggatttgga 180  
atgcgaccac ttgatctctt tagccaaatc ggagcttaag agatctgccg tagcggataa 240  
tctctctgga gagagccagt taagt 265

<210> 37163

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700946106H1

<400> 37163

aacgcctcaa agagggtatt gctggatctg gggcttaact agagaaactg ccaagtgctc 60  
aataaggctc agactccaga gaaaaaatta attttttttc tggtagataa ataagtttgt 120  
ttgtttatgt ataaaattat gatatcagat agataaataa aatcatgaaa tcaataagac 180  
catggtttca gtattttttt tctatctgaa aaaaaaagaa agactccttg tatttgcaat 240  
gtcataacat aaattgtata a 261

<210> 37164

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700946107H1

<400> 37164

gatggatatg ctgataaata gttttttaag acttttatatt atctcaactc tcaagaaaca 60  
 ttgatgcaca ccaaacaaat aactgtttga gtgcagtact gcagtaataa gtaattatgt 120  
 gcttggtgag cctgctgcta atttgctagg ttgattcaaa tacttggttt aagtggccaa 180  
 ttcataattt atttttttac catttcaagt tgcactctct atctgttgct tctcatataa 240  
 ttttttgtaa tagtggtgaa 260

<210> 37165

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700946072H1

<400> 37165

gatttctccc tcttcgctct ctctcagtga ccagagacag atgatgatgg agatggcgaa 60  
 cgaaacgctg tcgttgccgc actcgcggcg ttggtgctac tcgcggcgag tgtggcggtg 120  
 gatgctcagg agaactcgga cgtgaagacg ctggtgaagt acaagcacgg gaagaagtac 180  
 tgcgacaaag gatgggaatg taagggctgg tcaatttact gttgtaacct ca 232

<210> 37166

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700946108H1

<400> 37166

cacaccatta accaccacct cttaaata ttttccataa atcaccaaaa tttcccattt 60  
 ttttcacctc catcgtttca cccactgaat cacagttttc ttttcttttt ttctaacaaa 120  
 aatcgcttct gcacacacaa ggattcaggg attggtgaat tacgatattt taattattga 180  
 ttggtagcat gttttggcta gaatttggat aattgctttt gattatcaga ggcagaagga 240  
 aacaatacct tgaaagtaga taga 264

<210> 37167  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946109H1

<400> 37167

ggcacacagt gcattcatca acttactttc acagatgatc cagattttcca aaatacattt 60  
 ctctataaac tgtgtaagca gaagaccttg gaacatttta ggaatattat tctgctatct 120  
 tccccccagg atggttatgt gccttaccat tctgctagaa ttgaatcatg ccaggctgct 180  
 tcacgtgaca cttcaaagaa gggtaaactg ttcctagaga tgttgaatgc ttgtttggga 240  
 caaatccgt 249

<210> 37168  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946044H1

<400> 37168

caggggtgga aatggcaggt tcttgaagac tgctgcatat ggacactttg gcagagatga 60  
 ccctgacttc acatgggaag tgggtgaagcc actcaagggg gagaaggtag ctgcttaact 120  
 aaaaggggtt ccacactctt ggcaagggaac ttttgacta ctactggctt cttattatct 180  
 gattgctaaa attttctcta tgcttccttc cctcttactc aattctgttt ttttttttct 240  
 gtattttttt 249

<210> 37169  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946045H1

<400> 37169

ctcgagccga ttccggctcga gaacacatgg ggcttcgtct tctcgaacaa cctcctctca 60  
 gttatgatgg ctcccttttag ctcccttcgtc accggcgaga acgtcgagat tatcgccgcg 120



gtagatccg gcggcctttt cgaccccgcc gccttctacg ccgtctccct gtcttgctc 180  
 ttcggcttgc tcattagttt cttcgggttc gcggccagga gggccgtttc cgccaccg 240  
 ttcaccgtca ccggcgtg 258

<210> 37170  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946046H1  
 <400> 37170

caagcagggc tttcttggtt agcaaaacct gtcactggac agagtcttat tggccttgcg 60  
 tcacgccatg gaagcatcat caaccaaagc atgcccctca tggatcctct ggtgacactg 120  
 tttggtagca ttcattgagag gctccccgag acaggagcag gaggaagcat gcgaacactc 180  
 tgttttccaaa ttttgaagc atgttcagca ctgctgagcc gcatgctaaa agtgaacagt 240  
 gggatgaaga gagc 254

<210> 37171  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946047H1  
 <400> 37171

gtaggttaat gtaataataa aatcaggatt cctgtttag actagcataa ccccttcacg 60  
 acaggtgctt tggggcagta tgtctgtgtc atgccggata tgtacgctcc aacagtgcct 120  
 gaatgaagct gtggaaatca cgacatggaa cgcctagaaa attaattggca tcctgtaatg 180  
 ctgtaccgtg tatatcaatc tttggtattt acgtatcata cgttcgtgta agtacaatta 240  
 atttgttgaa atgcatattt 260

<210> 37172  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946048H1

<400> 37172

gtgaaataga tgcagcggct tcaaaagttg aagacaaatt ttctaatac ggatttgata 60  
 aagctgaagc acagagggaa gacgccaaac ttgagagctc tagtaaatca ataatttcct 120  
 gtaaaaacag caatgggaat gatgaagatg gtccctggtat gaggtcacat cttacagtat 180  
 gctagattct gtaggtgaag aaaaaagact ttctgctgaa taccttcaga agtctgatgc 240  
 aattgacata aatgcagaga ctac 264

<210> 37173

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700946049H1

<400> 37173

agtgatcgct gcggcattgt atggattcat ttacccttg gtggagttgg tgtacaaaaa 60  
 aatcaaacag cctcttactt actctcttgt catggagatt cagttcgta tgtgcttctc 120  
 cgccactctc ttttgcctcc ttggaatgat catcaacaat gaacttaagg gtgattcgga 180  
 ggaaacccaa aaaatttaag cacggagaag gaagtactaa gctggttttg gtgg 234

<210> 37174

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700946050H1

<400> 37174

ggggaatatt cgccaagaga gagagggcgg ttgcaattgc atagagaagt gcagagagag 60  
 cgcagggaca cgactcagtc aaacagtcgg taactctttc ttttcttttc tttctttctc 120  
 cgatcgcatc gctcgcaacc acaatcatgc cttcccgaag aagaactctc ttgaaggatca 180  
 tcattctcgg tgacagcggg gtggggaaga cgtctttgat gaaccagtat gtgattagga 240  
 agt 243

<210> 37175

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700946051H1

<400> 37175

ggagtattcc aagtttgcag aaaaagccac agcactgctt gaaatccttt ccaactccga 60  
agaaggacga actgcaatct caattgcaga tgggtggaatc ttaacgctag tagagacagt 120  
tgaagatgga tcacttgtca gcacagaaca cgctgttgga actctgctat cattatgtcg 180  
aagctgtcga gataaatacc gggagctgat tcaggaagaa ggagcaattc cgggtctggt 240  
acgtctgaca gtgga 255

<210> 37176

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700946052H1

<400> 37176

gtgaattggc ttttctgtgc ccctatgcgc acccccacaa tctaggtcta accttgataa 60  
attcagtttt ttctatttca aggatgtgag ggtgttctag ctgattatgc agaacatgaa 120  
attcctattc tggctggagc agtttgatca agtcaagcat gaagtgaagt tgccctgttat 180  
taggtattct ctctttctca taattgcccc cagggatttg gttggagata tgttatagtt 240  
atactacaca gatatac 257

<210> 37177

<211> 91

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700946053H1

<400> 37177

ggcggcggtt ggaagttccc gntgaattca ccgggaaggg cgcgatcggg caggtctgcc 60  
atgtcattgg tgccgtcgtc tatgtcatat t 91

<210> 37178

<211> 252

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700946057H1

<400> 37178

cgaagggtgca aagcaaggaa gctgaaataa ctaaattgatt ctgaattctt gttccatgag 60  
 tccacaacct ctgtcacctc acaatttcag agacctcttc gattccgctc aagcttttct 120  
 cttcgactgc gacgggtgtga tttggaaggg cgacgaactc atcgatggtg ttccgcaaac 180  
 tetggacatg cttcgcgcca agggcaagaa gctcgtcttc gtcaccaaca attcctggaa 240  
 gtcgcgttct ca 252

<210> 37179  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946058H1

<400> 37179

ctctctccaa atttctaggg tttgggttcag agagagagga acctcaaattg tctcaaaacg 60  
 ggaagctgat gccaaatcta gaccagcaca gcaccaagct tctcaatctc actgttctcc 120  
 aacgaatcga ccccttcgtt gaagaaattc tcatcacgcg cgacacatgtc accttctacg 180  
 agttcaacat cgacctcagt caatggagcc gcacagacgt tgaaggatct ctcttcgt 238

<210> 37180  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946059H1

<400> 37180

gcaggatcca cctacatcaa attagcgaat tgcaatttaa aggttactaa ctaacttctg 60  
 aatttttatt ttattttatt tgtgttcttt gatttgacta tctccacctg ttgtgatgaa 120  
 tcgtgttggt gtagttggaa agcaagcatg aagctgcaca agcttatggt gacgctgcgc 180  
 attgctataa aaaaactaat ataaatgagt ctgtatcttg cttagacaat gctgtaaata 240  
 tcttctgtgg aga 253

<210> 37181  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946060H1

<400> 37181

gttgcgattg cgactctctc ttcctacgat aaccgtttcc tctcgccgga acaccgacat 60  
 tgatctctct ctccggcgat ccccgcccat cctccgcca tgagttccgg cgagctcctc 120  
 cacatacagc cccaggagct gcagtttccc tttgaattgc ggaagcagat ctctgtctct 180  
 ttgcagttgt ctaacaagac tgacaactat gtggctttca ctgtcaagac aacaaatcct 240  
 aagaactatt gtgt 254

<210> 37182  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946061H1

<400> 37182

gtttcgtaag attaggtttt tgttctctct ctctctgatt cgatcgattt cgattgttga 60  
 attcatcaca tcacggagcc ctgtacgttg acaacgatgg tgctgccgct atttactgct 120  
 ttcatctctt ttgcttttat tccgaatggc ttgtagcag ttccttccac cgtcccggca 180  
 ttcccttggc catcacatta tgaactggcc tctgaaaata tattgacggc atctgtaa 240  
 taccaagtca tttct 255

<210> 37183  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946062H1

<400> 37183

taatttctaa aatctaataa accatcatga agagcacaaa caccaacaca aaactcatcc 60  
 tcctccaccc ttatatccaa acacaaggaa gctccaatcg cttgtggctt ctagcattca 120

tatcaatcct caccctcgct tttctcgta ccctaattta tacaagagaa tccaccttca 180  
 tcaccgctgc cacttcttct gtgattccct cttcaaataa tgctgcagtt tctgggtttg 240  
 gcagtgtctc tt 252

<210> 37184  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946063H1  
 <400> 37184

tcaaaacact cataacacaa ggcacaaagc aaagctcatc cttgagttaa aaaatggcag 60  
 cagcttcttc catggctctc tcatcccat ccttggttg caaggcgtg aagctgggcc 120  
 catcagcccc agaagtggga agggtgagca tgaggaagac cgtcaccaag caggtctcct 180  
 caggaagccc atggtacggc ccagaccgag tcaagtactt gggccattc tctggcgagc 240  
 ccccgctcta cctaaccg 258

<210> 37185  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946064H1  
 <400> 37185

gtggctaact atgagtatgg atttttctgg cacttttatac aggatggaaa aatagaagca 60  
 gaggtcaagc tcacaggaat tctcagctta ggagcattgc aaccaggtga aactcgaaaa 120  
 tatggcacia ccattgcacc tggataatag gggctggtca acaacaattt tttggtgccc 180  
 gtatggacat ggcactagat tgcaagcctg gtgaagcatt taatcagggt gttgaggtga 240  
 atgtcaaagt tgaaa 255

<210> 37186  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946065H1

<400> 37186  
caaaaagaaa gaatcccagg cgaggagaaa gatggagggg aaggagcagg atgtgtcggt 60  
gggagcgaac aagttccccg agagacagcc gattgggacg gcggcgcaga gccaaagacga 120  
cggcaaggac taccaggagc cggcgccggc gccgctggtt gacccgacgg agtttacgtc 180  
atggtcgttt tacagagcag ggatagcaga gtttgtggcc acttttctgt ttctctacat 240  
cacgtcttaa c 251

<210> 37187  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946066H1

<400> 37187  
caatttcagt tggagatagc tgtgagtagt gagagggagg aagacataga cataaagaag 60  
gagaagtgaa gtgatgaatg ccccagatcg ttacgagcgt ttogttgtcc ctgaaggcac 120  
caaaaagggtt tcttatgaga gggacacaaa gatcatcaat gccgcgtcct tcaccatcga 180  
gagagaggag cacactatcg gcaacatcct ccgcatgcag cttcacagag accccaatgt 240  
gttgtttgcc ggat 254

<210> 37188  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946067H1

<400> 37188  
acaagaacta gctataggcc tcaattagtt attatattaa tttggtctaa gtagttgtta 60  
ttacttgtgt agtagttctt ctccaatggc tgatttaggt tcagcctctt ccaagagaat 120  
gtggtgttcg ttccagaaag aatgcagctt cacttggcca tgttggcctt gcagtttggc 180  
tatgctggat tccatgttgt ctcaagagct gcaacttaaca tgggcgttag caagcttgtt 240  
ttcccagtct at 252

<210> 37189  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946068H1

<400> 37189

agttttctcaa caccataatt gatgaccttt ttgcctttgt cattaaaatg ccaacactcc 60  
 atcggcctttc tgtcttccgt gatgatctta tctttgtcat atacttatac cagaggtgga 120  
 ttataaaagt ggacaagaaa cgtgttaatg aatttggttt tggaggcgag gatgatcagg 180  
 ttgtggcaga gacagacgcc acaaaggaag aagagaacac tacaacggaa gaagagaaga 240  
 aaactaattg attt 254

<210> 37190  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946069H1

<400> 37190

ggttaacgaa acggtgcggt ggtgtgcttt gttgtagtgc tctccgatca tcatcgagaa 60  
 tgcgcaatct ggctgcacct cattccttgg gggttttcat ctttcgcccc aataagcctc 120  
 cttttctcat tctccctca atctctcgaa gatctctccc ttccatccag tgcggtgcag 180  
 ttcaattcgg cccctgcac gatatccaca aagggaaagt gaagcaaatt gtagggcca 240  
 cccttcaaga cttg 254

<210> 37191  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700946070H1

<400> 37191

gcacaatgga gataattttg cagctgaaat tcagaatagg ttgagaataa ttgttgagg 60  
 tggagatggt actgccagct ggcttctagg agttgtatct gaccttaaat tacctcaacc 120



gccaccaatt gctactgtgc cattggggac gggaaataat cttccctttg cgtttggatg 180  
 gggaaagaaa aatccaacca cggatctcca atcagtggag acattcctan atcatgtana 240  
 agcggc 246

<210> 37192  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946071H1  
 <400> 37192

cacaattctc tgtgaacttt ctagaatctc gttcttcctt tgccttctcc ttcttcttca 60  
 accctttttc tttctctttc tttcgcaactt tcattctcta aaaaaatcta agtccctttg 120  
 gtcttcatct tctgtttctga tccaggtatg gcttctaaac gcatcttgaa ggagctcaag 180  
 gatttgcaga aggatcctcc tacctcatgc agtgcaggcc ctggtgctga ggacatgttt 240  
 cactggca 248

<210> 37193  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946043H1  
 <400> 37193

ctcaactcta agaaacaaat agtttctcac gctccccaga cccagtttctg tgatattcac 60  
 gatgatcacc gtgatgatgg tcgccgacac cgtcgcagta accaccgcca aaggcctcgg 120  
 cgtccttcgc gcctgccaat ccacctgtaa cttttccctc gccgatcaga tctccgccat 180  
 gattcagact tacgacgccg tctcgccgcc gccgggtcaag cctactacct acaggctaag 240  
 acgccggacg ctctccgg 259

<210> 37194  
 <211> 213  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946011H1

<400> 37194

ctgtgcggtca ataaaagata tgttcgagga gaaaaggaac atattagaac cagcaggagc 60  
 acttgacta gctggagctg aggcatactg caagcatcat gggatccagg ggaaaaatat 120  
 tgtagcaata accagtggag caaacatgaa ttttgataaa cttcggggtg taactgaact 180  
 tgctaattgtt ggtcgtaaac aagaggctgt gct 213

<210> 37195

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700946012H1

<400> 37195

caaagtttta tattaagaaa atccagttaa atgactcaaa tctttgcat ggccatttgt 60  
 ttagggtgaa tttgtttaaa ctaagtaact ttaaaataag tgttttttat ataagcgctt 120  
 ttttatgaag tagataggat ttactttctta aaataagcag aaatagttta gacaaaacac 180  
 actaaaaaat caaaaaaact tcttattatt aaaacaagcg gttatttcca ccaataagtt 240  
 taaacaaatt ggcccttaat ctt 263

<210> 37196

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700946014H1

<400> 37196

tgtcaatgaa caccttgaaa tctgtccatg tttcctcaga agccaatcaa acacaagtcc 60  
 ccaccaattc tttttccatg caaacattag atgcatctgt ccaaagttta gtgaaatcat 120  
 ggcagagaag gcaaagatgg ctgcatctat tcaccaaate cagcccacaa gatttgaata 180  
 ttaatagagc attatggcgt actcatttgg ccaattttct ggattcaaca tcggttcgcy 240  
 tgtttacaat ctcattgctc attg 264

<210> 37197

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700946015H1

<400> 37197

gagcggggga tctgctaaaa tacgcttgat ccatatgggc ctccctcgacc acttgtggga 60

cgacaccggc gccggcccaa gggcgga 87

<210> 37198

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700946016H1

<400> 37198

cttaagatgc gtccataaca atcctcaggg aggacatctt ccagattatg caccacatcc 60

tgctattgta ttgaagatgg aagatggcac tgggtctactt ctccctataa ttgttttgga 120

gatgccaaagt gttctactaa tggcagcaat acgcaatggt cccatagcta gacctacttt 180

gtatcaagta gtgaaggaga tgattgacaa gatggggttac gaagtcaaac ttgtcagagt 240

aaccaggaga gttcatgagg catactt 267

<210> 37199

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700946017H1

<400> 37199

ggcaaaatag atgcttggaa gattccatct tctgaatcag attccctcaa tcaatgggct 60

gaaaggtctc gtttcagagt cggcgatcat cttgtgtgga aatatgagaa tgggaaggac 120

tcagtgttgg aagtaacaag ggaagattat gccaatgca gcacatccaa gcccatcaaa 180

gagtacaatg atggaaacac aaaggtgaag ctagagcatg ctgggtccatt ctacttcata 240

agtggagcaa cagggcactg tg 262

<210> 37200

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700946018H1

<400> 37200

ccttgtctcc ttgagctgca aaaaaaattt caccatattt tcatattcac atactttggt 60  
 gatgatcacc atgctagcta tgcttcttgt cggatgattt tcataaggcc ttttggtttg 120  
 catggctggg gatacagcat cttccttctc cacttgcattg gccattttct tctctttgct 180  
 cctactttct cacttcacta tggccatgct agaacacaat aacttttctc cttcaacatc 240  
 taac 244

<210> 37201

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700946019H1

<400> 37201

atgccaatga ggagaagaac aaagaccttg catcacaata tgatgttaag ggattcccaa 60  
 caattaatat tctgagaaat tgggggaaga atgttcagga atacaaaggc cccgtgaagc 120  
 agatgggctc cgtgactatt tgaagaaaca aagtggctct gcttcaactg aaattaaatc 180  
 tgctgatgaa gctactgctt ttattgggtga acataaagtt gctattgttg gag 233

<210> 37202

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 700946020H1

<400> 37202

gccaggcgaa tgggtctggta cctattgtag agccagcgat cctgggtggat ggacctcatg 60  
 acatcaacaa gtgtgctgag gtg 83

<210> 37203

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700946021H1

<400> 37203

gtaatttcct agatctccca aacaaattgt agcataagtc ccatggccaa agagactagt 60  
gttgtttata tatatcccag caaatcacaa gtttggggtg agaattttga tcataaaaaa 120  
cttgtaataa caacactagc tgctaattga aagaaggagg agagtaatgg agcacctaata 180  
gacacatata ctgcgtttcc cgggtggtat gctgatgitt cctggccagg agaagcacac 240  
acatatataaa tagaaaag 258

<210> 37204

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700946023H1

<400> 37204

gctattttag ggaatgattt gaacaaattg caggaagttt tacgattgcg tcatacacia 60  
agagatgaat taaagcgtca gaaggaagaa gagcttgctc ttctttatgc tgatcctttt 120  
gatgttgaag cacaaaagaa gattgaagct gccatccgcc agagcaggat tgatgaaaat 180  
tgggctgctg cattagacat aatctggaac cttt 214

<210> 37205

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700946024H1

<400> 37205

cccatctact ccttcctca tggctgaaca atcttccaac tccatttacg atttcactgt 60  
caaggacatc agtggaaatg atgtgagtct gaatgattac agcgggaagg ttctactgat 120  
tgtgaatgtc gcctctcaat gtggtttgac acagacaaat tacaagaat tgaatgtatt 180  
gtacgagaag tacaagaatc aaggatttga aatcttggca tttccgtgca accagtttgc 240  
tgga 244

<210> 37206

002250"ETTES60

<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946025H1

<400> 37206

attctatcaa gtttatgtaa atatatgctt tgtcttattt tgtttgcaga ttcgtgtatg 60  
ttgaacttct ggaaattcgt aaagatgtcc aatgcccaat ttgccttggc attattaaga 120  
agacaagaac tgttcaggaa tgcttgcacc gtttttgcag ggaatgcatt gataaatcaa 180  
tgcgactagg gaacaatgaa tgccctgctt gtcgcacaca ttgtgccagt cgtcgttcc 240  
tgagagacga tccaaa 256

<210> 37207  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946026H1

<400> 37207

gaatgaactt atccaattcc acgtgctacc aacatttggt tcaatctcaa acttcgacac 60  
tcttagcaac ccggttagaa cgcaagccgg tgatgaccct gatagggttg cattgaacat 120  
aacaagctca gggaaccaag tgaacttgac aacagggtgt gttaacacca cagttggttg 180  
aagtgtttac tccgatcacc agctcgcgat ttatcaagtg gacaagggtc ttcttccgag 240  
ggattcttc 249

<210> 37208  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946027H1

<400> 37208

ccagatctca attttctgca atttcactca gaccaggacc ttaaccatgg ctcaacctgc 60  
aagcctcaca agaataggcc ttgctggcct ggctgtgatg ggccaaaacc ttgctctcaa 120  
cattgctgac aaaggctttc ccatttctgt ctacaaccgg accgcgtcca aggttgatga 180

gacagttgaa agagcaaaac aagaaggaaa ccttcctgtg tatggctacc ataacctcaa 240  
attctttgtc 250

<210> 37209  
<211> 244  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946029H1  
  
<400> 37209

gtcttgccca gcagcagcat ggtggctggc tccctgtttc tgcaatggat gcggtagcta 60  
agattgtaga ggttcctccc atacgggtct atgaggttgc cacattttac tccatgttca 120  
accgagctaa ggttgggaag taccatctgt tggtttgtgg aacaacacct tgtatgataa 180  
gaggttcacg aggaattgaa gaagccttat tgaaacactt gggagtgaag cgcaatgaag 240  
taac 244

<210> 37210  
<211> 258  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946030H1  
  
<400> 37210

gagtaataat aatgtgtata atgctacagc agcgggtatg gtaaaaaaaaa tcatacgaaa 60  
agaaaaaggg ggatacgaaa taactatagt ggatgcattg gatgggcgtg aagtgattga 120  
tattatacct ccaggaccag aacttcttgt ttcagaaggt gaatctatca aacttgatca 180  
gccattaaca agtaatccaa atgtgggtgg atttggtcag ggggatgcgg aaatagtact 240  
tcaagatccg ttacgtgt 258

<210> 37211  
<211> 262  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700946031H1  
  
<400> 37211

ccaaatctca cccttttctg caactttctc tctgacacac accgaacact caaacacaca 60  
cagtgtgcag cagcagcagc aacaacaaga gaagaagatg gctctgcaac tatgggagac 120  
attgaaggag gccatagttg cctacacggg gctctccccg cccaccttct tcacccttct 180  
ggcctgatc ctagecctat actacgtcgt ttctgggctc ttccccctctt ccgacccacg 240  
ccacaacacg gctcggggcga ct 262

<210> 37212  
<211> 205  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700946032H1  
<400> 37212

tggagaagaa gaagaagaaa aagggaaaaa cgcaagagaa atagaggaag atcgatcgag 60  
atctccctcg cgtttgtctc agttgaagaa attaaaaagc agaactagag taactcaacg 120  
gtctcaacat ttcaagggtt ttcagaattc catatTTTTT cctacggatt tgagttggaa 180  
ggagatcgaa gaggtttcta gttgc 205

<210> 37213  
<211> 80  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700946033H1  
<400> 37213

cgactcaag ctggcctgta aggcgatgtg caagatgcta ataagcatcg agagtggcca 60  
agaattagtg acgatgcata 80

<210> 37214  
<211> 196  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700946034H1  
<400> 37214

cagggaactt caccactgaa gccctaatec accgtatcca tccaccgcag cacactctgc 60



ttttgagggt tcttctccaa catgggtcgc gcaactatgt gcctttcaac cccaccacct 120  
 accactgcc aaccacaggt gtaccagtg ccgccaccgc tactagagtg agtgaccttc 180  
 ttgttccagg cgtcag 196

<210> 37215  
 <211> 188  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946035H1  
 <400> 37215

ctagaacaag aacaacagcc atgcggcggc tgcagcggcg tacggactat ccgacgtcga 60  
 tcatgattcg caagatcaca gaggcagcac atgttagttc gaatcatggc atcgccattc 120  
 agagcactgg cgtcagcgcg tgccaagtac gtgcggtgat tacgaactgc ggtcagcacg 180  
 tgagatac 188

<210> 37216  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946036H1  
 <400> 37216

ctcgagccga ttcgggtcga ggggaatggc tcacttcaaa gaaggagcat tggcacatag 60  
 tgttggcact tgagaacaaa ggagcagcag gaaggcactt gtgtgtggaa tctattcgtc 120  
 acttttagtga tcttgtggac aaggttgctg agttataccc tgaatacgat gtggctaagt 180  
 tgccaaagga taccacaacca gggttgttga gagcaagtgg aaaggatgca tcaaagaagc 240  
 tgattgattt aggtctagaa tt 262

<210> 37217  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700946037H1  
 <400> 37217

gcagatcgtc gaagtttttag gttgtaattg cgctttatga cggctattgc tgctgtattc 60  
 ttttacttaa ttggaaagcc acttcgatga ttggtagctg caagaaagga aagccataac 120  
 ttggagtgcc ccgagtcgat ttatgttttt caactcaatc tgctgtgctg gtgtgttggc 180  
 tcatgtctat gaagcatgga tacagatatg gaccctggac acccatggac atgtacacgc 240  
 acagatctcc tgtcactcag 260

<210> 37218  
 <211> 74  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946038H1

<400> 37218

gcaaactgga aaatttgggg cagctgttag acggccatga gaacgtcttg gcggtctcag 60  
 ctagtctgcc ggtg 74

<210> 37219  
 <211> 179  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946039H1

<400> 37219

ccactctcac tacactcact ccctccaaaa aatggaagag atactaaagt acccctttct 60  
 ctcttccttc ttaacctctt tcttctgcat ctccgccact tccattgccc cacataactc 120  
 ccaaacccaa accctcctcc tccgcaccct ccctagagcc accacactcc tctggcccg 179

<210> 37220  
 <211> 127  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946010H1

<400> 37220

ctcattctct gtttcgcttt caccgagtaa cttcactttc ccgaactcca cctgagaaaa 60  
 agatacccat aattcgcacg cacgcacgca cgcacttggt ctgactcagt gcttggtgtg 120

gacgcat

127

<210> 37221  
 <211> 129  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946040H1

<400> 37221

gcaaggaaga cgccgccaac aacttcgccc gcggccacta caccgttggc aaagagatcg 60  
 tagatctgtg cttggatcgc gtccgcaagc tcgccgacaa ctgcaccggc ctacaaggct 120  
 tcctcgtct 129

<210> 37222  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946041H1

<400> 37222

ctcctttctt ttactagcac ctagctagga ctcaattctt tggtcactta atagtagttc 60  
 ctttttaact atctttcttc aatggctgac tcagcctcag cctcagcctc ttcttccaga 120  
 atgtggtgct cctccccgaa aggtttcagc tgcattgcggc catgttggcc ctgcagtttg 180  
 gctatggcgg cttccatgtt gtctcaagag ctgcccttaa acatgggcat t 231

<210> 37223  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946042H1

<400> 37223

aaaaaaatga gtaataaatc caaaaatact gatacttcca agacaagtga atcaaaggat 60  
 gatggcagta tcaaacaaaa accttctgcc aagtttaagc atgaaactcc aaaaagtgga 120  
 aaatccaagc aagaaacccc aaaggctgcc atttccaaag gaaaacctgt caaaagtggg 180  
 ggaaagactg atgttaatgg taccagcaaa gcaagatctg gtttattgaa gagaaaagat 240

tccgagaatg agaactc

257

<210> 37224  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945972H1

<400> 37224

gttcgggcaa agtgggtgttt ccatgttggt tctgagttta cttccgcaat atcccaggat 60  
atgtgtgtgt tcttatgaag gttgcagtgc tacggagtct atagatttta tgctgcagct 120  
tcattagata ccaatttttg tgaatttttc ttgataactt gttcttggtat ttttgttttg 180  
tggtgttgat gaagatggct atgggtggcc taatttccgg tgctgggtgtt attattgtta 240  
gtttct 246

<210> 37225  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945974H1

<400> 37225

ctgacactac aaaatattca ccaattccca gttccgtgga ctgcagcacc cttagatttc 60  
gttaccaagg agaaggagaa ggcgccgaag cgcaataaaa tggatatgta cattcgtgtt 120  
aaacgtagta agacaacctt cttcatcagg tgcataagcat ctgataaaat tcttgacata 180  
aaacagaagt tgcaagaact tggtgatcag ccagctaata atcaacgggt aatt 234

<210> 37226  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945975H1

<400> 37226

aggtaatgca cacagtagca ttacggactg aagctactat accaggtggt caaatgccac 60  
ctaattattgg tccagtgttg aagaaccaca tgagtgagat gtttgcatat catgcaacca 120

tgatgtctaa cactcttggg acctcaactg ttgtcttcac tagaacgggt ttcattggctg 180  
 tcctttctgag ccattatcgt ccttcggggca ccatatttgc ttttacagat gagaagaggg 240  
 taaa 245

<210> 37227  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945976H1  
 <400> 37227

agaaaaagca actaagcata gtgtgtaaga aaggagagaa aacaagtgct gtgtagagag 60  
 aaaaatggct aggtggtgca tgatcttggg ggttcttggc cttgccgtgg ttgcaagtgc 120  
 cagaaacatg cccaatgacg ctggtttggg ggaccagaag aacttccttg ggtatgggtt 180  
 ttcgggaatt ggcaacaatg ggcttccctt tgggtggaatg ggttctgggt ttgatggtaa 240  
 tat 243

<210> 37228  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700945977H1  
 <400> 37228

cagaaatcca ccttgtgatg gtgccctaga tccatggctt ctctgtccaa cctttgcatg 60  
 tgtttcactg ttgtgagtt tcaaggctac cgtttatcct ctcttccctc tctgggtcct 120  
 gggaaaccct ttggtgggtc ccacattcac aactttgcaa actcacttcc acacaacagc 180  
 ttatccaaat tttnncanct tcnaatttcc gaggtttggc ttgtggatat tcaggttgta 240  
 aactgt 246

<210> 37229  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945978H1

<400> 37229  
 gggaaaagtt ggccacgggt ccttctggtg gtggtggtgc cgttgccgtc gccgcagctc 60  
 ctgggggagg tgctgctgct gctgctcctg ctgctgaggc aaagaaggag gaaaaggagg 120  
 aggagaaaga ggaatctgat gatgatatgg gtttcagtct cttcgattaa ttggtgtagt 180  
 ctattcagct tttttgttca gaacatattc ttaattaaca ctagagcatg agtttgtcaa 240  
 agttttgt 248

<210> 37230  
 <211> 124  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945980H1

<400> 37230  
 gattcttcat ccatagacat ggccaccgtc acttctgcag ccgttgctat tccctcattc 60  
 actggcctca aggcaagcgc aggtaaagtg agagccgcag ttaaagtctc agtcccccaa 120  
 gcca 124

<210> 37231  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945982H1

<400> 37231  
 ggtgtattcc tagtcactat tcacttcctt ccggattatc ctttcaagcc tcctaagggt 60  
 gccttttagga ctaagggtgtt tcaccgaac atcaatagca atggtagcat ttgtcttgat 120  
 atcctgaagg agcagtggag cctgacctc accatctcta aggtactgct ttctatctgc 180  
 tcattgctga ctgatccaaa tcctgatgat ccacttggtc cggaatcgc tcacatgtac 240  
 aa 242

<210> 37232  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945983H1

<400> 37232

```
gccacgtcac ttagtttgtc tctccctggg ttcactgtac ctcaaccagt gtctccgccg   60
ccgccgccac tgccactgcc ggcggagacg gtggaggagc gagggaagca aatgttcaac  120
gcggagttct tgagagtgat gcacgagatg ataaaaaagg aagtgaggag ttacatgtca  180
gggatggaag agcaggagtt tgggatcaca atgcaaaccg aagcgattgg gaacgcggtg  240
gt                                                                    242
```

<210> 37233

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700945984H1

<400> 37233

```
caatTTTTgg tgcattgatcg tttagggttt gtgcttggtt ttgccgcctt agtgacaata   60
atcgcgccaa ctcttgatg atccatcact cagatccttc caattccgct gtctcgcttt  120
gaccgcccgc acacaaaact agcatgttct tcagtgttcc cctttcagat atttgatgcg  180
tggaacgta gggagagttg cccaatctat tcttatgacc catagaagcc ggtctttgg   239
```

<210> 37234

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700945985H1

<400> 37234

```
ggacctcat tttcacaacg ctcatgaaa tgaacaacct caacttgcta gatctccctc   60
cgttctccag agactcaa atccatcaact ctacagttac tgccctaccg aacccttcac  120
ttccaaact                                                                    129
```

<210> 37235

<211> 80

<212> DNA

<213> Glycine max

<223> Clone ID: 700945986H1

<400> 37235

tggcgcatca tctcctcaat gctgcagaag gtggagagcc gcggcaacga ggaccacgtc 60

gccgtcatcc gcgactaccg 80

<210> 37236

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700945987H1

<400> 37236

gtcaggttgg aactccttgg gcagatggaa ctgcttccat ctcacagtgt gctattaacc 60

caggagaaac ttttcattac aagtttacag ttgacaggcc tggtagatat ttctatcatg 120

gacaccatgg tatgcaaaga gcagctgggt tgtatggttc attgatagta gatttgccaa 180

agggacaaaa cgaaccgttt cattacgatg gtgaattcgt ccttcttttt agtgatttgt 240

ggca 244

<210> 37237

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945988H1

<400> 37237

gccacgtctc cttccactgc atttcttcac ttaaccccta aaataaattt catcctatgg 60

ttcatctcca ttgctattgt tgctactatt ttcaccacct atctcttcag aataattctc 120

cattttgaag cagttcgtcg tgagtaccaa catccgatct gtgttaactt cttctttgca 180

ccatggatag cccctttgtt cctagctctt ggagttcccc catcagttac caaggacttg 240

catcaa 246

<210> 37238

<211> 226

<212> DNA

<213> Glycine max



<223> unsure at all n locations  
 <223> Clone ID: 700945989H1

<400> 37238

acatcactga actaacaaag caaccctatg tcgaaggtgg tttgtgtcac cggagccagc 60  
 ggcgccttcg gatcatgggt ggtcctactc ctccctccagc gtgggttacac cgtccatgcc 120  
 accgtacaag atatcaagga tgaaaatgag acgaaacatt tggaggaaat ggaaggagca 180  
 aagagtcac tcattttttt tgaaatggat ctccctgaca tcgact 226

<210> 37239  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945990H1

<400> 37239

ggtgttgagg gggctgctga tctctcttca catggcacta caaggaagct acataaagtg 60  
 gaagatgtag acacgagtga aggcaacttt ggcactgtta taatccatgg agatgaatta 120  
 cataagacca cacaagatgc agattctgca gcttctgtat ctgctctgac cagtggctca 180  
 ggagacagat tggctgactc tgggattgag agtcagaaag ttggtattat gaacactgcc 240  
 tc 242

<210> 37240  
 <211> 82  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945991H1

<400> 37240

gcctttcaag ccccagggtt ttcttcaacg catcaccctc acggcaaaac acgtacgccg 60  
 taaagttcgc agttccacac aa 82

<210> 37241  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945992H1

<400> 37241

gttatgactt tgtacaaagg cccggctctt cagttcataa agggacaagc agcaaccac 60  
 catgaaagtg gcaacagcac acaaccctct gaacaaaact gggtgcttgg cacagtagag 120  
 ctcatgttaa gttgtgggtg ttgggctagc ttctttatct tgcaatcttt cactttgaag 180  
 atgtaccggg cagagctctc ggtcacagct tggatttgct ttttgggcat ttttgagggt 240  
 g 241

<210> 37242

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700945993H1

<400> 37242

gcaggtttgg aagatggggt gaaaggaacc tgctcagcgc atgtaaggat ttcattggggc 60  
 ccagcctggt ctcgaccaac acctagaagg tcaagataat acttattagc atatgatatt 120  
 gttgtaccaa tccctttgaa agtgaaagt aataagggtt cttgaaatta ttggtagtca 180  
 ataattttga actgcgtggt agtgtgggaa ttcattatat agcttttggt cgttgttatc 240  
 taga 244

<210> 37243

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700945994H1

<400> 37243

tgagaattgg tttgaagaag agaccttag atcttgatag tattaatgct gctagaaagg 60  
 caagagaagg tctaagatct gtaagaccaa tgatgggtgc acatgatcag tttattggta 120  
 agtcaaaagg tgaagatata gtacctttga agaattatct ggacgctcaa tattttggtg 180  
 agattggaat tggcacaccc ccacagccct tcaactgtagt gtttgacact gggagttcca 240  
 acctttg 247

<210> 37244  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945995H1

<400> 37244

ctattattac tcccaatgag cttcctgagg ctgatggctt tttgtttggt tttcccacaa 60  
 gatttgatc tatggccgct caatttaaag cattttttga tgcaactgga ggcctttggc 120  
 gtacacaggc actagcaggg ttcttctata gcaactagttc tcaaggagga ggccaagaaa 180  
 ctaccccggt gacatctatt actcagcttg ttcaccatgg attgatcttt gtccccattg 240  
 gatacac 247

<210> 37245  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946001H1

<400> 37245

gtgcatgatg ctgaattaaa tgcagaataa gtgatttatc ctgatagtga tgatgaattg 60  
 gatggcgta tgaggaatag tggattatct ttatctagaa agtgtacgat ggcacatctt 120  
 ttgtacttta aataggtggt gtgggtatcag gctaaatcac ttcagcctgc agattatggt 180  
 ctataattag aaatcttagt tatgggtctc tttgtgtgac tgtgtgaaca ataaaattgc 240  
 ttatgcctta acatgcagca aaata 265

<210> 37246  
 <211> 102  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700946002H1

<400> 37246

gggaaactgg gctatccaag atttactcag atgtactatg ctaagcaagg gatcatcacg 60  
 gaagagatgc tttactgtgc cactcgtgag aaccttgacc ca 102

<210> 37247  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700946003H1

<400> 37247

cctgaatcct tccttcattt catcagtga ttatcaagt tcaagtgtta actaaccgcc 60  
atcgatcatg aggtgcaaaa agcagagcca gaacaagtta gttcgaatca tggcatcgcc 120  
aatcagagca ctgggaaaag cacgtgacat gtacgtgagg agcattacga actgcggcca 180  
gcacgtgagc tactacggcg gcggcgaccc cacggaaggc gccggaacgt tctcgaggag 240  
ccacagcgtg gccacctcga caac 264

<210> 37248  
<211> 246  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700946004H1

<400> 37248

agnccctaca ctgcagagtc tcttcttctc ttctctgcag cttctctccc ctcaacagt 60  
agtaattttg gcagaatctc cgccaagtat cccaaaattt cctccaatct cttcagagtt 120  
ctgcagacat tcattcactt tccctctata aaaccattca caatcccaat ccaacttgca 180  
aaacccaaac ctagggttcc caaatcctaa tcgcactaaa acccagaatg gaagcctctt 240  
tgaagt 246

<210> 37249  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945971H1

<400> 37249

atgattaggg ttttggtttg gtgtttttct taagcttgag atcaggaatt aatttcagag 60  
gttcagagaa tggcaacgga ttcttctaata ggtaatggac atcacccaaac aacaacaaag 120



tgactatttta aatatgatct aatgggtccgt attcaccgtt cttatttatt ataataatat 60  
 ccatgagttc ttacctgata ctatgtatgt cacgtcacgc gtgagtactc cagtcttaga 120  
 tgttttgttt taaatggctg ttttgttggt cagatcactt tgagcaatgg tgaaggctgt 180  
 ggcagttctt ggcagcagcg aggggtgtcac tggaactatt ttcttcactc aagagggaaa 240  
 tgggtccacca 250

<210> 37253  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945929H1

<400> 37253  
 gaacaatcct aaagcactgg acaccgcac caatgtcatt gttggtgaat atttgctcaa 60  
 gctcaatgag aactgttgag gaggtctctca aatgagaagt ttttgctcaa ggtgtctcac 120  
 tttttgtggt aaaaattcac taaaacaaaa aggaagaaaa ctacacacta ctcatattgtg 180  
 ggtattcatg gacctggaag ggaatgatgg ggtaattccc tcttattcac tgtttaggaa 240  
 ggccagatat ggtga 255

<210> 37254  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945930H1

<400> 37254  
 caaaggtgca gtgaagtggc ggctgtggac attccctagg gatatttgatt ggggatggct 60  
 tcgagcatcc aacaagtgga aggggacgag tcagttgtgc tgcgcgtgac tcattccaat 120  
 ctcaaaacct tcgcctccga catccgcttc tcgcttcacc tcaccgtoga agccgtcaaa 180  
 gacaagctct ggaaaaaatg cggcacctct gtcaactcaa tgcacctcca actctacgac 240  
 gac 243

<210> 37255  
 <211> 255

<212> DNA  
<213> Glycine max

<223> Clone ID: 700945931H1

<400> 37255

gctttctccg agaacaaaaa aaaaaacgtg attcgctctt ctcttcgaat aaaccacaaa 60  
accaacaaac gagaagagga gtgagacaag atggggttgt cgttcacgaa gctgttcagc 120  
aggttgtttg cgaagaagga aatgaggatt ctgatggtag gtctcgatgc tgctggtaag 180  
acaaccatct tgtacaagct caagcttgga gaaatcgta ccaccatccc caccatcgga 240  
tttaatgttg agact 255

<210> 37256  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945932H1

<400> 37256

ctacaaacaa actaattaag caacacacac ttcaatttat cagcatggcc tccgttcagt 60  
gccacaaaac ctgcaaagtg agctgccaac aggaaaacca gcacgcctcg tttgggcaga 120  
aagtttctga cttgttcaaa gggcatcaac ataatgacca cagctccaat tatgccaccc 180  
aaaccaaagt gctttcccaa tcaaggtcag ggtaagccc cttcaccacc aaaactcaaa 240  
cacaatgcgg ttgcc 255

<210> 37257  
<211> 91  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945933H1

<400> 37257

gttgatgtat ttggaccac cggatatttg caagcttgca cgattgaaca gggcgtttcg 60  
cgatgcttcg gtggcggatt tcatttggga a 91

<210> 37258  
<211> 258

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700945934H1

<400> 37258

ggagtccatc gcttagaaac caaaaggctc tctcacgcag tcgcagtgag tgaaaaggaa 60  
 aaccctaatt gcggtattct cagtgccttc gagagaaaga aaaaatggca gataatcttg 120  
 ttctccgtgg caccatgcgc gcccacaccg acgttgtgac ggcgattgcc actcccatcg 180  
 acaactccga catgatcgtc accgcctcac gcgacaaatc catcatcctc tggcatctta 240  
 ccaaggagga caagactt 258

<210> 37259  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945936H1

<400> 37259

gatatgcctc tctatgatat actaaatgag ttccaaaagg gaagtagtca tatggctgct 60  
 gttgttaagg ctaggggaaa aggcacagaa actcgacaaa tcattgatga agacaaacat 120  
 gaagacaaca aaaccattgg cggggactca cagttgaccg ctccgttgct acataagcag 180  
 gatgcagaat caggaagcga tgttgatgcc taagtcaagc cttgataaca ttactgccct 240  
 aa 242

<210> 37260  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945938H1

<400> 37260

gtagaaacac gaaactcaga atccatggcg acaccagcga cgacgaagcg aaaaccggtg 60  
 ttcgtgaagg tggatcagtt aaaacctggc accaacggcc acacactgac ggtgaagggtg 120  
 gtcagttcca agccggtgag aacggtgacc acccgcgycg gtcgaccgac ggtgctagcc 180  
 gcgcgcccgt cgcgcattgc cgagtgcctc gtcggcgacg aaaccggaac cataatcttc 240



accgctcgca aa

252

<210> 37261  
 <211> 251  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700945940H1

&lt;400&gt; 37261

atcccccgcc catgtacctc gaaatcgagg tttttgaccg gctcttcggt taaacttaac 60  
 cggaagtga ctatgcggcc aatgggggtgc cctcctcgtg cctagttcaa ggtgaagcc 120  
 aagaaggag agtgggttacc tggacttggc ctccccaaact tacctcaatg gcactcttcc 180  
 tggtgacaat ggatttgacc ctctggggct agctgaggac ccagcgaact tgaggtggta 240  
 cggtcaagcc g 251

<210> 37262  
 <211> 249  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700945942H1

&lt;400&gt; 37262

cccaaattctc ctcccttagac tgccaacca atatagccat tggatcgaat tcagtctgaa 60  
 ttcggtctaa tgggttggga gttctaatta agtctaagga acagaattct gtacatatat 120  
 atatttagaa gatcacaggg tgcttgatca gtgggtgtatc aggaacgaca aggtgacgag 180  
 gttggcttct gaaaagggtg tgggtgatttt cacaagagac tcttggtgcc tctgctatgc 240  
 agtcaacat 249

<210> 37263  
 <211> 245  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700945944H1

&lt;400&gt; 37263

cctttgttca ctcttcttct cttgcggcta gggtttttagc gcacttcttc tagatttaag 60

gaagatcggg aaggaaaagg ttcacatcag tattgtgggc attggccatg tcgactctgg 120  
 gaaatccact accactgggc acctgattta caagcttggg gccattgaca agcgtgttat 180  
 tgagaggttt gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt 240  
 gctgg 245

<210> 37264  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945946H1

<400> 37264

cgcgcatggt cgccggagaa ctgagccccg accgagactt cttcatctac agccgccact 60  
 tcaaccgcac ggtgctgagc ctgagtcgcc tcatggccgc cctcgaaggc accgaggccg 120  
 cctactgcac cgccagcggg atgtccgcca tcgcccgggt cctcctccag ctctgcagcc 180  
 acggcgaaca cgtgggtcgc ctccaaaact ctctacgggt ggaccacgc gtcctctca 240  
 cactttctcc cg 252

<210> 37265  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945947H1

<400> 37265

ggcggaggcg gaagaatgta tcggagcaac gcgcagagga gcttcaatga gtattgtttt 60  
 gatccggcca cgcctcctcg gagttacgcc attaagaaaa acgccaacgg ttacggcgac 120  
 gaagactatt ctctcgtga tttcagcccc ggcctcttgg atctccattg ttttgatacg 180  
 gagcttcttc ctgagattac gtcatacaan ttgtatgatt ccgagcctta cattttcggc 240  
 aaacaaactg tcag 254

<210> 37266  
 <211> 151  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945949H1

<400> 37266

tctcgagccg aatcggctcg aggtttggag aatcccgagg atgctaccga gtgtgcggat 60  
gacctctcca agcagatgct tatctgtact gctgctgatt tggcgattga ggacacgctt 120  
tacgcgttgg ataaggcact tcaggttgga g 151

<210> 37267

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700945951H1

<400> 37267

ctaggcagca gtgctgctgg aactggaagt gcagtttctt ttagtgatga tcagtatgcc 60  
atgcgactat gtagttcaca gccacttcgt agatgtcgca aacgcgtctc tagagcgtct 120  
caaa 124

<210> 37268

<211> 114

<212> DNA

<213> Glycine max

<223> Clone ID: 700945952H1

<400> 37268

ggctcgagcc gaatcggctc gagcttaagg aatttaagca gactagaggt gctgttgagg 60  
atacgттаac agatgcatca tcggttcttg gcggtgatgc cacacttaag attc 114

<210> 37269

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700945955H1

<400> 37269

ctgaccctga ttgcgttggt tgttgcggcc ctgtgcgcgg ttgatctaac ccagagagca 60

tcacatcatcat catcatcccc tcacgcgcca ggtccctccg tggactgctc caacctgggt 120  
 ctcacatgg ccgattgctt gtcccttcgtc accaacggca gcacatcac aaagccagag 180  
 ggcacatgct gctctggttt gaagtctgtt ctcaaaaccg ctccggcgtg tctctgcgag 240  
 gctttcaaga 250

<210> 37270  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945956H1  
 <400> 37270

cgtcactcct tgctcttagc cctcctcctc ttccgcgcgc tgtccaccgc cgcgatggcg 60  
 gtggcccgct ccgacgccga cgacatcctg atccgtcagg tggtgccaga tgttgagcga 120  
 agcgacacag gaggacaacc tgctgagcgc agctcaccac ttcacctgct tcaaggccaa 180  
 gttcgccaag acctacgccca ccaaggacga gcacgatgcc tctcttcggc gtcttcaagt 240  
 cc 242

<210> 37271  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945957H1  
 <400> 37271

cgagatttca agactgggta cctgaccctc tcacgcgcaa agtccatgtt tgtgagccaa 60  
 ttgattggaa cagccatggg ttgtgtaatc gtcctctca cattctggat gttttggact 120  
 gcctttgatg ttggctcacc tgatggccct tacaaagcac catatgccgt tatattcagg 180  
 gaaatggcca tactcgggtg tcagggatcc tcagagcttc caaagtactg ccttgaaatg 240  
 tgcggt 246

<210> 37272  
 <211> 185  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945959H1

<400> 37272

ccaaaaataa cccaaactct cctttaaaaa aaaacccgga caccttggaa ccggggaaat 60  
 ttttaattatc gcggccgtag ccctaccctc tcttcagata atccaattgc ctttctttta 120  
 ctccctcact tttccagttt tgaagcgctt ccagtggcga atttagggta ataccctcct 180  
 ggtaa 185

<210> 37273

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700945960H1

<400> 37273

gtgaggttca tgtatattata cggaacaaaga aggttttgcg gggatttgat gaagagatta 60  
 gagattttgt tgaagaacaa atgtctgtaa gagttattga attccatacc gaggagtctc 120  
 ttcaagctat cacgaagtca gcggatggct cattctctgt aaagaccaac aaaggtacag 180  
 tggacggttt ctcacatatt atgtttgcta caggacgcag acctaatct cagaacttag 240  
 gcctg 245

<210> 37274

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945961H1

<400> 37274

atgggttatg agagagtgag agtgctgttt cttctgtttc tgataccact gccaacggtt 60  
 ctgggttggg gcaaggatgg ccactatgcc acttgtaaga ttgcacagga gtatcttagt 120  
 gaagatgctc tatttgcggt caaacaattg cttccagatt ctgctcaagg tgatcttgct 180  
 gccgtttgct ccttgggctg atgaggttgg ccatactcac cgctatcatt ggagcagcgc 240  
 ttacatta 249

<210> 37275

<211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945928H1

<400> 37275

gaggcattag cagagttgta tgtaatcgat gagcaatatg agaaagcctt cttgttgtat 60  
 gctgatctta tgaagccaga agtatttgat tttattgata aacataacct acacgatgca 120  
 attcgtggaa aggttgtcca actaatgagg ctagactgca agcgtgcagt tcctttgtta 180  
 atccagaata gggacttaat aagtccacct gaagttgtga agcaacttct aaatgcggat 240  
 gataagagtg at 252

<210> 37276  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945963H1

<400> 37276

gtcgtacttc caacttgcag ctgaggatca tgaatggtgg tggagggtctt tcctttgtgg 60  
 tggatcaact gggctgttca tctacggcta ttgcttgtat tactactatg cacgatcaga 120  
 tatgtctggt tttatgcaaa cttcgttctt cttcggttac atggcctgca tctgctatgg 180  
 cttcttcctc atgcttggtg gtgtaggttt ccgtgcgtct ctgctctttg ttcgtcacat 240  
 atacaggt 248

<210> 37277  
 <211> 73  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945964H1

<400> 37277

gtcaacatat gagacctctt tactttatga aaattaataa ctagttaata tcttttcggt 60  
 ccgtctaaag ctt 73

<210> 37278

<211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945966H1

<400> 37278

tttactagca cctagctagg actcaattct ttggttactt aatagtagtt cctttttaac 60  
 tatctttctt caatggctga ctgagcctca gcctcagcct cttcttccag aatgtggtgc 120  
 tccatccccg aaaggtttca gctgcatgcg gccatgttgg ccctgcagtt tggctatgcc 180  
 ggcttccatg ttgtctcaag agctgccctt aacatgggca ttagcaaatt tgttttccca 240  
 gtcta 245

<210> 37279  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945967H1

<400> 37279

gtggtatagg aatgataggg atcggagccc agacaaggga tcaagttgga gggatcgctt 60  
 caaaagcgtc aaccgggata gcagtcgtag tcctaacagg gccgcattac ctcaacattc 120  
 ccaagggtggc agctttcaca aggcaatgat ggaacgtggg ggatgggata gtgatcgcaa 180  
 caagagcttt aaccgggacc gaagccgcag tcctagccct catagacagg tgaagggccc 240  
 agcagttcgc 250

<210> 37280  
 <211> 118  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945969H1

<400> 37280

gtcgtttctc atcatcagag acttacactc caatttccaa accgaatcga agggggattt 60  
 cgatttgagt gggaatttca ttttcgactt ccctgtgatg ccttacacgg tccgcgag 118

<210> 37281

<211> 138  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945970H1

<400> 37281

aggtttctcat ccgctgcttg ccgccccaga gtagataatt tgggtatggg aaactgctgg 60  
 attgaaggac gaagctgcag cacatcaaatt agctgcgatg aagacaatga agagtataca 120  
 gcagagacat tcccgtgg 138

<210> 37282  
 <211> 220  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945891H1

<400> 37282

ctgtggacca aatcagcctg gggacatctg gatgaatttt gttggatctg atagacttgg 60  
 taaaaagaaa attgctgttt ctctagctga gctattgtat ggtagccatg aaagctttat 120  
 ttttgtggat ctaagttctg aagaaatgaa aggatgcyat gtgaaattca gagggaagac 180  
 agcccgtgag tttactggag gggagctntg caagaaaccc 220

<210> 37283  
 <211> 214  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945892H1

<400> 37283

gtggtgcaca tgctggcgca tgtgcgtcct ttacgtctct atccacatca cttgccagtg 60  
 cattgtctga tgtaaagatg ttgtcgctca tcacccttat tgcgtattca ggtctaccac 120  
 aagcatttgt gtgggctgca ttcacaaagt atgttgtaac tcctgcaatt ggtatttctg 180  
 gtgtgggtag ttcaatggca gcgtacgggg cttt 214

<210> 37284  
 <211> 212



<212> DNA  
 <213> Glycine max

<223> Clone ID: 700945893H1

<400> 37284

ctgaaacttc agaggcggct tgccgctagc gttctcaagt gtggtagagg caaagtttgg 60  
 cttgacccta atgaggtcaa tgaaatctcc atggctaatt ctcgacaaaa cataaggaaa 120  
 ttggttaagg atagtttcat tatcaggaag ccaactaaga ttcattcccc ttccccgtgac 180  
 tgcagaagta aggaggccta gaggaaggga cg 212

<210> 37285  
 <211> 102  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945894H1

<400> 37285

gttccattct ttcaaaagcc ttgtgtgctt cttctgatt tctctacttt ttcagtacac 60  
 acaacacaac acagacaaaa actctctttc tgttcagttt cc 102

<210> 37286  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945895H1

<400> 37286

tttgttctca gctacccaaa caaagaaggt cgaggatctt gcccgttat catttcaggc 60  
 aactcctatc tatattgatg tagatgatgg gagataaaaa ggtcacaaat gaaggattgc 120  
 agcagggcta tggtgttggt ccctgtgcta aacgttttgt tggtctctat tcattcttga 180  
 ggagatacca atcagaaaaa gtgatggtct attactcttc atgcaactct gtcaaattcc 240  
 atgca 245

<210> 37287  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945896H1

<400> 37287

cggaacaaga aaatatctgc tggcgtgctt ggcggagcac tgctgtttgg gtcctttttg 60  
agttgcttga gtatcacctt cttactctgg tgtgtcacat tctgatactg ttgctcgcag 120  
ttctgttctt gtgggtctaata gccatactt ttatccacaa atctccgcct cgcattccgg 180  
aagttcatct tcctgaggag ccattccagc aagttgcgtc tgcaattaga attgaaatca 240  
acgggg 246

<210> 37288

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700945901H1

<400> 37288

tacggattct atgttaagcg gagttacacc ctgcgatgac gatcaatgat tatcatttat 60  
ataatatgac cctcctcaag ctacctatat cttgttttgt ttctgtcttc aattcactgt 120  
aataatgtcc tgctactctt actctcttta attttccttt tctaatacagc atttatattt 180  
agacccatag gagtttgagt tttagaaaag gggtttggtt ttccaattga aagaatttcc 240  
aagtcgcagt gtcaaagggt g 261

<210> 37289

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700945902H1

<400> 37289

gtcttcttct tcttgaatct ctctaagcta aggtaagaga tatggggaat tgccaagctg 60  
tggatggtgc agtgcttgtg atccaacacc cttgtgggaa gatagagaga ttgtattggc 120  
cattcactgc aagtgaggtc atgaggacta aatcctggcc actatgtttc ttgataata 180  
ccattgcctg tgccaccaca ggagcagaat caagagaaga aactgtgcgt ttcacacgcg 240  
ttaagctgct 250

<210> 37290  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945904H1

<400> 37290

agtgactcta aagaactata tgagcttgac aaggaagagt atgcaaagaa agggagctac 60  
agaattgacc aactccaac attaaagttt cttgacaagg catgtgtgaa aacagattcg 120  
aacactagtc catggacgct atgcactgtt actcaagtag aggagaccaa acaaatgata 180  
agaatgattc cgatcttggt tgctacattt gtgcctaata ccaagatggc ccagatagat 240  
accctttttg tg 252

<210> 37291  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945905H1

<400> 37291

gagaaaagtt aggggttcaca acttttcctt ttccttttgc ttgcgaatct gaatcaaata 60  
atcaatcatc cattcattat tcatcatgta cgtcggcgaa gaaaatcacg ctgaagagtt 120  
cggacggcga ggctttcgag gtggaggagg cggtggcgct ggagtcgcag acgataaagc 180  
acatgatcga gggtgactgc gccgacagcg gcacccctct gccgaacgtg acgagcaaga 240  
tcctggcgaa ggttatcg 258

<210> 37292  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945906H1

<400> 37292

gtgttttgtt taaaaaggta taatgactct gggtattcca acttggtcat ttgaaacctg 60  
aatcaattta tgtggtgaga gattgttata tgctgattga tgctcggata acttatagcg 120

actcaataat ttcaattact tgtgatcttg tgcttgaaga atcaaatgtg ttagttcaca 180  
 ttctgtaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagaacgg aaaaaaaaaat 240  
 ctggg 245

<210> 37293  
 <211> 224  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945907H1  
 <400> 37293

ctccaggttg gcaccatttc agtagtcctt catggaatat ggcatgaatt ccattgccag 60  
 gaacttcttc tcattacaat cagcacatac cacacgaccc gtttgcgcat cccgtctaca 120  
 ggtatcctgg ttatggtcac ccacgagact tgtatgaaat gtactatcat aatgcttatg 180  
 gtggtcagct gtttcggatc tgctgggttc cagcatattg ccaa 224

<210> 37294  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945908H1  
 <400> 37294

ggaagccttg ttgtgagtaa gagaaaaggc ttctgcacc gagcacacca acttgatacc 60  
 tctgattctt tctttgctta gaattccaca gaatactgga gaatacttct tttcaatcac 120  
 tccccacctt tggaattcaa gggtttgagc aaggaggagg aagactcatt gctagggcaa 180  
 gtggaaatat ggaggtacat gacatgcttc acggactccg tggccttgaa agctgtcata 240  
 gagcttcgta tagcggac 258

<210> 37295  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945910H1  
 <400> 37295

aggaaagata ctccatctat aagagtggag tgacgaaaag ttggattgat gttaaaatta 60  
 gagaagctcg aaagttagga gtagcagcaa aggagaagaa gaggagcaga gtagtgaaga 120  
 aggacagact cagcaactta cccgatgaag tgcttcatcg catactttcc tctttggacg 180  
 caaaatcagc tgttcaaacg tgcgttttga gcaagcgatg gacgcacgtt tggacttccc 240  
 tcccagtcct caactt 256

<210> 37296  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945911H1

<400> 37296  
 ggcacatctc tttgctgttt tccaaggctt gctcaaagtg cttgctggaa ttgacaccaa 60  
 cttcactgtc acctccaagg cctcggatga agacggagac tttgccgaac tatacatgtt 120  
 caaatggacc acccttctta ttctccaac aacccttctc ataataaaact tgggtgggggt 180  
 ggttgctggc atctcctatg ccaccaacag tggctaccaa tcttggggac ccctcttttg 240  
 taagcttttc tttg 254

<210> 37297  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945913H1

<400> 37297  
 gtcaaagtgt gcaggctaca gggatgggcc tagtgaggat gctaaattct caaatgattt 60  
 cgatgtggta tatgttcggc ccacctgttc cttgttggtc attgatagag gaaatgctgc 120  
 tcttcgacaa atctctcttg accaggagga ctgtgattat cagtctaatt caatttccag 180  
 tacagatata cttacagttg ttggtgctgt tatagtagga tatgctacat gtatgcttca 240  
 gcagggattt ggatc 255

<210> 37298  
 <211> 256

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700945914H1

<400> 37298

gcttttggtt ggactttgct gaatggagag tgcaagaatc agccaatggt taaatcttct 60  
 tgtttggtga ctgctattgc tcaaggcaga aggatcttta gttccattga ttttggtcga 120  
 gaatgcagaa tcaaaaggag ctgtttggtt ggatggaagt cccccagctt accactttga 180  
 taagggattt ggggaaggta ttaatagctg gattgttcac attgaggag gaggatggtg 240  
 caacaatatc gagagt 256

<210> 37299  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945915H1

<400> 37299

cgattttcgt ttcgccaatt cgtgaaatcg aaagattccc acagaattgt acgaattatt 60  
 gttcattttt ttgtctctac tgctgtgctc caacttggtta aactagaagt tcatttattg 120  
 ttttcattct tcaatggggg atgctgagaa tgcccttcca cctacaaaga aaaatactgc 180  
 tggaaggag ctcactcgag acactcccat tgatgatgag gaagatgccc ccgagcttga 240  
 gactggcact ttcaagaga 259

<210> 37300  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945917H1

<400> 37300

aaaatggcca aaccataaaa gatgtcgcca ccgggcta.cc ggctacgcca tttgattatg 60  
 gggccggaca cgttgatcca gtggctgcgt ttgatcctgg tcttgtgtat gatacttccg 120  
 tggatgacta cttgagcttc ttctgtgcct taaactacag ttctatcaa ataaagcttg 180  
 ttgcaagaag agacttcacc tgcagcaaaa ggaacaatta cagagtggaa gatctcaatt 240

acccatcttt tgctgttcct

260

<210> 37301  
<211> 193  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945919H1

<400> 37301

ctttacctca acatgaaagc ttcagctatg agttttctgc tgaaaagttt gaaataaccc 60  
cagggtcatgg acaagttagt gcttctggca tgtgcagtg atgcagatca tcgtgcgtaa 120  
catgctggat gctatcagac tcacgagcag atacacaaga gactagaata tcagtcgtga 180  
ggccatgagc atg 193

<210> 37302  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945920H1

<400> 37302

tgcggtggta actgtggttg cggaagctcc tgcaagtgcg gcaacggctg cggaggctgc 60  
aagatgtacc cagacttgag ctacactgag tcaaccacca ccgagacctt ggatcatggga 120  
gtggcacctg ttaaggctca atttgagggt gctgaaatgg gtgtgcccgc tgagaacgat 180  
ggctgcaaat gtggacaaaa ctgctcctgc aaccctgca cttgcaagtg aggtgttggg 240  
agagcaagct tcaa 254

<210> 37303  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945923H1

<400> 37303

cgaatcgagg cctccgagga cacgtggccg ccgcggaaga gcgtcgtctc ctgcgccggc 60  
gtcgcccgcga gctggagaca taccacaaa gacattgtca aaacgccga actctcctcc 120

aagatcacct tccccatttc tggtagacag cctggcccaa gggagaatct cctacagtgc 180  
 tttataaagc gcaacgggtc caccccaaca tactattggt ttctcagttt aaccagtacg 240  
 ctagctgaag atggg 255

<210> 37304  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945924H1  
 <400> 37304

gatagacaga gcccatgaac tgggtctgct tgttctgatg gatattgtac acagccatgc 60  
 atcaaataat acattggatg ggctgaacat gtttgatgga actgatgggc attacttcca 120  
 tcctgggtca cgaggttatc attggatgtg ggattctcgc cttttactct acggaagctg 180  
 ggaatttcta aggtatctac tcccgaattc gagacggtgg ctggatgaat acaagtttga 240  
 tggatttcgg tt 252

<210> 37305  
 <211> 175  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945925H1  
 <400> 37305

atttcaatcc tcagtttctt tcttcaacgt ttccatcata cacagatccc aatcctctct 60  
 caagccctaa tttccctca tttccatggc cacagaagac cccactgtcg cgggtgaacc 120  
 cgctcccgaa cctgcctccg ccgacccctc cccggaggag aaggaggaga ccaaa 175

<210> 37306  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945926H1  
 <400> 37306

ttcatgggca acaaaggaca tgattcaaca agccaattac tttgggtcgc tgacccaggc 60



002250-ETTESO

atcagctatt agagttgggt ctttccaagg ggaggaaata tatgccccat tcaagagcct 120  
gcttccaatg gtaaaccctg atgatgttgt gtttggggga tgggatatca gtaacttgaa 180  
cctggcagat gccatggcca gggccaaggt gtttgatata gacctgcaga aacagttgag 240  
gccttacatg g 251

<210> 37307  
<211> 235  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945890H1

<400> 37307

atctctatct catctcatag ttgatttagt atttaattcc tatgtagttg tttgtacttt 60  
gttgtaatca tcaactcact cagttcccgt aggttgctgt gattcatcac agcatattgt 120  
ctctgaaatt cagaaatgac atctgcaatg ccaaggctgt tgcggcgacg cantgccaac 180  
atacantcgn tgagccgtgt atttggaacc caacaagccn ctcaccagct aggaa 235

<210> 37308  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945927H1

<400> 37308

ggaaggtctc cttcagctac cttctgacaa ggctcttttg tctgaccctg tattccgccc 60  
tctcgttgat aaatatgcag cggacgaaga tgccttcttt gctgattacg ctgaggctca 120  
ccaaaagctt tccgagcttg ggtttgctga tgcctaagca acgttttaggg gattgttgaa 180  
gaggcatggt gcccataata tttctctaaa aaattgtatg gtcattggtt ttaatgccaa 240  
tgtggggt 248

<210> 37309  
<211> 220  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945840H1

<400> 37309

ctcaatcattc ttttgtttgt tcttcagtagc tttagtgtgt gatttaattc caagattttg 60  
agaatgtcta gctgtgggtg tggaagtagc tgcaactgtg gcagcaactg cggttgcaac 120  
aagtagctct tttgacttag cgacgatgag aagacaacca cagagacact agtagtgggc 180  
gttgggtcag tgaatgccca aatggatggg gccgtaatgg 220

<210> 37310

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 700945841H1

<400> 37310

cggtggtaga agacagaggc cgtcttatcc gatcagcata cattcggcga tattatcaca 60  
gcttttctat ataacgg 77

<210> 37311

<211> 231

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945842H1

<400> 37311

ccgagtcctc caagcctcgc cccggtgttc gcggaagcct caagaagtga tctcaatcga 60  
tcgttggaat cgttatggcc cctccttcac tcgtagttct caatctcttt tttttctttc 120  
tttttctttt tctttttatt ttgttgcta agattacgat gntgagtant ttggaagcgt 180  
gtttttaagg gaaggggtna tgaggangtc gtcgtgtatg taggggcaga g 231

<210> 37312

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 700945843H1

<400> 37312

gagtttatcc tcaacatcat gtataccctt aagctcgaag ttgaagccta agcatggcct 60  
tttccactct caaatt 76

<210> 37313  
<211> 142  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945844H1  
  
<400> 37313

caggcagaag gccaaagctc tgaagatgct tcatacaata aagatacgga ggtagcaggg 60  
attaccctga ggcctttgat catggatgag ttgcgcttgg ccatgtgact agttggctgt 120  
aagtttagcg tcggatggca cc 142

<210> 37314  
<211> 164  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945845H1  
  
<400> 37314

ctccggcatc tctccacga gtcaactctc cgctcgctc tctcgttcg aattcgctat 60  
tagatctgag tcaatgagcg agtgcattct gatccacatt ggatcatgctg gtatccaggt 120  
cggaaatgct tgctgtgaac tctactgtct cgagcacggc atcg 164

<210> 37315  
<211> 74  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945847H1  
  
<400> 37315

ccaaactgga caatttgggg cagatgttag acggccatga caacgtcttg gagctctcag 60  
ctagtctgcc ggtg 74

<210> 37316  
<211> 81

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945848H1  
  
 <400> 37316  
  
 ccggaagcta agagcttttg tccaaatggt aagtacagag gcaagtgctt aggacaaaag 60  
 ccgtgatcac gcaattattg t 81  
  
 <210> 37317  
 <211> 168  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945849H1  
  
 <400> 37317  
  
 tgggggtttga ggaaactgag ttaaggcttg gactgcctgg aaacggaggc actgaagaag 60  
 tgctcatcag gaagaggggt ttctctgaga ctgaaactgg tcatgaagat gagtctgcc 120  
 ccactgtgga tttgatgctt aaatctttct cgaaggaggc cgcaacca 168  
  
 <210> 37318  
 <211> 210  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700945850H1  
  
 <400> 37318  
  
 caacgatatc agtcttccat tcatcaacaa ccactctctc tcccctctct gcagcaaaac 60  
 caattctccg ggcacatctc cggtcaggtt ccggcagcct ctccggcgac tcggcatggc 120  
 aactcaatga atgcggaant accgccgggg caccacangn cggnatccag tcaactccgac 180  
 natgaccacc tctgctgcga ggacacctcc 210  
  
 <210> 37319  
 <211> 171  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945851H1

<400> 37319  
gcttgaggca tttctggcac agttttttcc acttttattt taactttaag actgcacaga 60  
gagaagcata taattcctga gtcaatatag aatttgtgaa gtcagtccaa acttcagttt 120  
caaagatgcc acgaggaacg catgaagatg tactgaacag cgccaaagga a 171

<210> 37320  
<211> 136  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700945852H1

<400> 37320  
ctattgggca cctttttcttc ttgaatcaaa ctccgataat gctgtcatcc atagggtaac 60  
tgatagaatt gtgagaaaag gttcaatcaa tacgcatggt cgtcattgga aaggcgctga 120  
cattgttgta ttaaca 136

<210> 37321  
<211> 150  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700945853H1

<400> 37321  
ggaaaccaag atctgcacct ttcattgtcgt gcttgagcaa agttttctcg tcttggtcca 60  
ccggttgaaa ctacccgagt gagccatggt tgatgggtacc ctaatcctgt ctaatttact 120  
tatcatctga gtcgaggaag aacangaagg 150

<210> 37322  
<211> 77  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700945854H1

<400> 37322  
cgagaagcag aaacaatatg ctgctttggt ggattttctcg tcctctaaag gatgaagata 60  
ttcaatgtgt ttcttca 77

<210> 37323  
 <211> 183  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945855H1  
  
 <400> 37323  
  
 tactcattct ccatacctca acgaagaggt taaagagacg gcaacacttt gctgtccgcc 60  
 ttgaccgagc agagcttcgt cttggccctc gattttgcc taaagtactc tcagtcacaa 120  
 cagacaccgt cgtcgacgac gacgacaaca aaggcaccga agcagaccaa ggcggagaag 180  
 aag 183

<210> 37324  
 <211> 189  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700945856H1  
  
 <400> 37324  
  
 cttaaataca tccttgttca ctcttatttc ttatagctcc aacaacatcc ctcatataaa 60  
 aaaatggcct ctctccgttt tctcttctta gcttctttct tcattgtttt gtcactttcc 120  
 atcaacactt gtgaggggtca aggggcaaan agaaaacgat tggcaccaac anttctgac 180  
 cgagggaac 189

<210> 37325  
 <211> 143  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945857H1  
  
 <400> 37325  
  
 cttgttagga aggaaattga agaacatagg gacatgactt ttctgttatt tcctgaatat 60  
 atgctttaga agttattgag tgcttgact ttaattgaat tctgcattat taggtgctgt 120  
 ctggctttaa aatttgactt aca 143

<210> 37326  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945858H1

<400> 37326

ctttaaagca tgctaaagaa ggaacagaaa gctcagcttt ctggtctgca ctaggaggaa 60  
 aacaaagtta caccagcaag aaagttgtta atgaggttgt cagagatcca catttggtca 120  
 ctttataggt taacaaagga aagtgtcaat ggagaggagg cttacaacgt tncgtaggac 180  
 gaccatctgt cggaggatat ccntatacct gtcacacatg tagaa 225

<210> 37327  
 <211> 69  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945859H1

<400> 37327

gtacaatcgc gtcttctcct ctgtattgag acatggccga agaagaggaa gaatcagagc 60  
 tcagcgata 69

<210> 37328  
 <211> 63  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945860H1

<400> 37328

gccctgaaga tggtgagagg ctttactgtg aaattcatct cctgaaaaca ttgaagcgca 60  
 gcg 63

<210> 37329  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945861H1

002220-CTT2560

<400> 37329  
cagtagaaat gaaactcttg gcagaagtgg atcaaccggg aagcggttatt gacagctatg 60  
tgctcactgg atccatgatt actgaaagag aatcctctcc tgattggaat gcccgcggag 120  
tacttgcggt ggagggagct cggatctgcg ctcatatggg aagtagtggg ga 172

<210> 37330  
<211> 145  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945865H1

<400> 37330  
atttttatta attaaaaaaa attataactc atcagtggca aaagcagttc aaaacaaaat 60  
tacgatgcca atttgcaag gataggaaga taatttgac taatcgatgt cctgtggctc 120  
aaaacatcgt aattttgtat tgaac 145

<210> 37331  
<211> 74  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945866H1

<400> 37331  
ggctcagcgg catcggttga gtgttctgac acatctgtct ctctctcact ttcggtttcg 60  
aaacccaaaac ccta 74

<210> 37332  
<211> 64  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945868H1

<400> 37332  
gtttgttgaa ggttacagag ttggtggagg accacttggg gaaggacttg agccaatcga 60  
ccct 64



<210> 37333  
<211> 68  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945869H1

<400> 37333

ggagtgaggg tgctcagcac agacgcagac cagtggatgt cccatcgact acttctgac 60  
atcctgag 68

<210> 37334  
<211> 175  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945870H1

<400> 37334

ctcttctttt tactctcttt ctgtctctct ctacgctttc tcgttcgaga tccctcaagg 60  
gatccactaa ctgaaggaga aatggggctg acattcacca agcttttcag cgggactttt 120  
cgccaagaag gaaagtcgaa tgctgtaggc ggggctcgat gcagctggta atacc 175

<210> 37335  
<211> 101  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945838H1

<400> 37335

gatgatcgca gtgggtatag tatggggcgc caccaacgct atcatgcgcc ggggtgcgct 60  
aatctgggac gaagctctga aatcctccgc aaagccacat c 101

<210> 37336  
<211> 194  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945873H1

<400> 37336

cgctcatcgg ctggctgaaa gcattcagtc aaaaaatcta aactcatgga atgatccact 60

002220-CTTFS60

tggagcactt attattggag tccaccagct gaagttatct ggttgggaagc cagaagaatg 120  
tggtgctatt gaaaatgagc gtcacacct gagcaaaaga ggccgttctg aaacggaagg 180  
aatgtagat ggtc 194

<210> 37337  
<211> 156  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945875H1  
  
<400> 37337

gtaaaattac ttacctatca cttgcaatcc tcaaaagcac taggccttca gcagcaactt 60  
gcaattgcct agagatagct ggaggatggt tggtgcgccc tcttccgttt catgtctttt 120  
tgctccgtat agttaaccac aacattagcc caatca 156

<210> 37338  
<211> 243  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945879H1  
  
<400> 37338

gtactacaaa ggcacatatc tatagcatcc tagctatatc tgggtgaaga agcaaatga 60  
aatgaggct tgtggtaatt gcactaaca tattgatgct tgcaagttct tctatggcta 120  
tccatgtgaa gactttggtg gccacaaca tgctacaaga gaaggaggga gaacacagta 180  
atggtaataa taatgagcat caaatccctc tgaaccgcta tagtgatata catgaaattc 240  
ctg 243

<210> 37339  
<211> 209  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945880H1  
  
<400> 37339

aatttcttcc tctatgagaa aatgtgaatg ataagcctaa aactgcaatg tcatatcaac 60

caccacagtt actgtcatct ccataactgg ccctgtgact ttgatatttt tatgaggagt 120  
 tgttgaactt tgcctttttg tgaaccaagc tagtaaattc ccccatgtga actaatttga 180  
 tgtaaaaggt agaagttatt attttccat 209

<210> 37340  
 <211> 173  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945881H1  
 <400> 37340

ggctcgagga agaagggata cgaggctctt tatatgggtg atgccattga tgaatatgct 60  
 gttgggtcagc tcaaggaatt tgagggcaag aagcttgtct ctgccaccaa ggaagggctc 120  
 aagcttgacg agagtgaaga tgagaagaag aagcaagaag agtttaagga gaa 173

<210> 37341  
 <211> 134  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945882H1  
 <400> 37341

ctatgctcac atagcattag aggggttcttg gatacaatgg aatttgctac aatgcaaagc 60  
 tccactgttt tcgagcatta tagtatagca gcccgggcat tcttcaatgg ctgattgggg 120  
 attgccctca caca 134

<210> 37342  
 <211> 221  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945883H1  
 <400> 37342

cttataacca aacactcttc ttcattttct tcttcttctt cttgttcttg ttctatctgt 60  
 gacgagcatc atggcctcga gagcagtgtc attgttggct atgtgtgtgc ttccggccat 120  
 ggttgtggcc agtcgcccag caaagaaccc gttttgcgcg aaggggcgcg tctactgaga 180

cccatgtcgt gctgggtggtg agtacctcag caaccaccta c 221

<210> 37343  
 <211> 112  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945884H1

<400> 37343

actattacaa taaaaaact ctaaagaggt gcgaataatg atgacaacca tagtgtcact 60

agttgatggg ttaggtcagg ctcgctcaat ccggatagtc gctaattgga ag 112

<210> 37344  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945885H1

<400> 37344

ctaaccatc gttcgcacgg agccgtggtg gttctggctc tgcctttttt tcctttctct 60

cgttaccaga accagaagaa ccatttgtgg ccaacatgga tttggaccag tggatctcca 120

aggntaaaga gggccagcat catctagaag acgagcatca acgtctcggc ga 172

<210> 37345  
 <211> 207  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945886H1

<400> 37345

gtcgtcttct tgcagttgcc gttgaagcga tgtcaatcgg tgaaggcctg gaggggtgaat 60

cacttctgat ctgttctcca ttggaagccg tcgtccattc tgagtcagat cgaaaaccca 120

cagttacacg tagttcgagc cgaaagcgat ggaacctcgt cgaacaacca tgcatactga 180

gtcagacaca cgtgcactga ctcgccg 207

<210> 37346

<211> 168  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945887H1

<400> 37346

gtgaataaat ccagcattgt tctgttctct gcaacattct ccactctcaa ccatggcttc 60  
aaagctttta ctcactctg tcttcgtttt tgattgattg cttttggact tgccgtggct 120  
gctgagcaga gaagaagcac cgcaagngct gtgacggaca aggtaaaag 168

<210> 37347  
<211> 170  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945888H1

<400> 37347

gtataggtac tgtctttcat aaggacgctc atttatggac caatataaag gaagtaagtg 60  
cacgtgaaat ggcagttgca gcacgtgagg gttctagacg gcttcagatc ctcaaactctg 120  
aagaaaggag gaaaactttt caggcaaatt ccgaatcagt ggagacaaga 170

<210> 37348  
<211> 202  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945889H1

<400> 37348

gtaaaatctc ttgactctat gaaaaaaagg caaaattcaa tcataattcc aattggctct 60  
gtgcagtatg gtgtatgtag acatagagct ctgcttttta agtatttatg tgatcacatg 120  
gagccaccag ttccttgtga gcttgtcagg gggtagccag aattttcacc acagtcctgg 180  
aagatcaggc tgacnatgag gg 202

<210> 37349  
<211> 253  
<212> DNA

<213> Glycine max

<223> Clone ID: 700945795H1

<400> 37349

gcaacgactt ttcttcagag ggatagaaaa gggtgataac ctacatttgc accttgaagg 60  
 tgtaaaggat aagtcaaagc ttttgctttt ggagggcact agctagcaaa gagaggaaac 120  
 ttgaggaaac cagaaaacaa aacgtaatgt ctaaagcttt tgaggctatt gcagggtgta 180  
 gagctgaggt ggacaagctc tcaaataagg tgacttccat agaagtagct attaatgggg 240  
 ggaacaaagc atc 253

<210> 37350

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945796H1

<400> 37350

ggagtcaagt atttggtgat gatgccaaagt tcttggttga ggtaaaatct ggtcaggtag 60  
 aagcaagttt gaaccagat caagagctta gaaggttaaa acagatgttt gaagcttgga 120  
 aaaaggatta tggggcaaga ctgcgtgaaa caaaagtat tataaataaa cttggaagcg 180  
 aagatggcgc acttgagaaa atgaagaaaa agtggtgggg aagaaggacc agtacaagga 240  
 taaattgat 249

<210> 37351

<211> 122

<212> DNA

<213> Glycine max

<223> Clone ID: 700945801H1

<400> 37351

cacaaccctt caatgacgtc catggccact ttcttcgccc aaacctcctt cccctccac 60  
 tctctctcca aaaccttcga tacccatttc gccctgccc cgaaagtcaa cgtctttgtg 120  
 aa 122

<210> 37352

<211> 219  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945803H1

<400> 37352

gagaatactt gctggagata tgtctgctgt acgcattgct aacacaatag ctatgttcag 60  
gtcccagcgt attggaatgg ttcaaaccga ggaccagtac attttctgct ataatgctat 120  
catagagtga actgaagacc atgctcctca gcagcaatat gagtagaagg gcagggatac 180  
tgtttaagtt gttagaatgc gattgggggtt acagaaggc 219

<210> 37353  
<211> 175  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945804H1

<400> 37353

gcccggcatg attgtcaccg gcatggaggt ggcagaaatt gatggctccc caaggatggg 60  
tccgacgttt ggggcgatga tgatatacagg gcagaaggcg gctcatttgg cgttgaaggc 120  
gttggggagg aacaatgcaa ctgaagtaac gtgtgtagaa ggaaggaag aaccc 175

<210> 37354  
<211> 168  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945806H1

<400> 37354

gtcaagaggt aaaaacaatg gacatgggca ggaaagtgt cgaaaaggaa agttctttgt 60  
acagctccgc tgctgatgtt gacaaacaat caagtttttc ttctagttat ccattcaatg 120  
ggcgagagga aaaaagcata acntctgtcc caanagtaca gggaaagg 168

<210> 37355  
<211> 169  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945807H1

<400> 37355

tggagatgac gatgggtccag atcctgggtt tttgtctccg ttgtggttcc aaagcaaggt 60  
 cgacatattg gtagcgaccc ctggaaggct agtggaccat gtcaacaagt tgtcatcgaa 120  
 gcancttcga taactcgagt gctacgaagc agaacgaatg ctacgtgag 169

<210> 37356  
 <211> 163  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945808H1

<400> 37356

ccacaacaac tccttttttt acctcttcac attctccatt tcacagggtt ctgatcatgt 60  
 tggggaagag gccccggcca atgatcgga agttgtcgga gttgttggtc tcgagaggcc 120  
 gcacggtggc acaatttgac accaccgga gccgcttagg ccc 163

<210> 37357  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945809H1

<400> 37357

tgtgtcgga aaagaagaag agaaaaaaga tgagcgacgg aggaaaacga caaggtgga 60  
 gagcgttgcc gccgccgcca agaggccctc cgcctcctcc cccctctcgc cctcgccctg 120  
 aaccgctcga tcgcgaaaag acatgtccgn tacntcatcg agngntcacg ataganntgg 180  
 agncacaaaa ccanggaaga cntntccgnc agaggcaaag agcccaaaga cgag 234

<210> 37358  
 <211> 199  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations



<223> Clone ID: 700945810H1

<400> 37358

atctcttctc ttcgctcctg cacttggtgt ttctttgcc ttcattggcat ctcaggctag 60  
 ccttctcctt caaaagcagc tcaaagatct ttgcaaaaac cccgtcgacg gcttctctgc 120  
 cggtttggtc gatgaaacca acactttttg aatggagcgn caccagtant gggccgcccg 180  
 agatactcta tgagggggg 199

<210> 37359

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700945811H1

<400> 37359

tgaaaagcgg atcagttgga ttcaagaagg aatatctcga tcaaccggac attcccagca 60  
 catggaaagc aatggaggca ctctatgact caggcaaggc aagagccata ggagtttagca 120  
 atttctcttc aaaaaagctt caagatctca tgaatatagc aagagtgcg cccgcagtta 180  
 accaagggga attgcaccca ggacggcagc agccaaagct 220

<210> 37360

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700945812H1

<400> 37360

cattgccaat acaaataccta ccatttctac tcctttccaa aagaaccaga gccttcattt 60  
 accaaaaacta aaatcatgat gaaaaagcaa tgtctcttgt ccttctcact agcactgcta 120  
 gtttcatttt tgtatttcac caccacttta gcccaattat caccagcgtt ctccctcaa 180  
 aaaccagccc aaccgtcccc ttcagca 207

<210> 37361

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700945813H1

<400> 37361

ccgaaggcgt cttcataaac gcctttcttc tccgtttccg tttcctcggt cgaattcgct 60  
 ttttgatctg cgaaaatgag agagtgcac gcgatccaca ttggtcaggc tggatatccag 120  
 gtccgaaatg cttgctggga gctctactgc ctccagcacg gcacggggcc cgatggggcaa 180  
 atgccaaagt acaagacagt tggcggctgg tgatgatgct ttcaatactt tctcagcgag 240  
 ac 242

<210> 37362

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700945815H1

<400> 37362

cagaagaaca agtagttgag aactaagaag gagaggcaaa tggcgtcctc aatgatctct 60  
 tccccagctg ttaccactg 79

<210> 37363

<211> 62

<212> DNA

<213> Glycine max

<223> Clone ID: 700945816H1

<400> 37363

ggggcttgcg gaaactgagc taaggcttgg actgcctgga aacgtactcg gcactggcac 60  
 tg 62

<210> 37364

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 700945817H1

<400> 37364

agagtacact actgaagcta atgacaggtg acttgatgcc tagtgatggc atgggccgac 60



<211> 103  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945823H1

<400> 37368

gtctgtctcg ttacacatc tctccaacct ttcactttcg tttcgcagtt ttattcgaat 60  
 ccctctctca atctcctttc caaatggcca gcgttgaggt tgc 103

<210> 37369  
 <211> 173  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945824H1

<400> 37369

cgttcttctt cttttgttgt tctgtgtttg tgtttgtttt ttctctcacc tgaaaatgtc 60  
 ttgctgcggt ggtaactgtg gttgcggaag ctctgcaag tgcggcaacg gctgcggagg 120  
 ctgcaagact taccacgac ttagcaacac ggagncaacc accaccgaga cca 173

<210> 37370  
 <211> 170  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945825H1

<400> 37370

taaataaggt atgagtatat tgcaatgtct gattacttgt taggtgcagg cacaaataga 60  
 ttataggctg tcaaacttta taggaatagt gaatcttctg tttttgccgt cttgcttaat 120  
 gagaaacaaa atagtactag cacacttgaa ggccagtcga ccagagggga 170

<210> 37371  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945826H1

<400> 37371  
 gatgaagggtt ctgagtttgt tttttataat ctgagagata atagaataga ccgaattcaa 60  
 gatttttgatt cctacaaggtt ttcattttctc tctcatgatt atgttccaag cttgggttttg 120  
 ccatataaaa attaagggga tcattgctgg cctgggactt tgggggtccaa gaggctgaca 180  
 tcaattcntn tttcgacatc agcaatgaca ntatccacan cacacaaccg gttgtgtg 238

<210> 37372  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945793H1

<400> 37372  
 accacctaag gcacctcaag atttatacga gagctattat aacgcaaaca aatccaacct 60  
 gaagttgtat gtttagacgtg tgttcatttc agatgaattt aatgaactgt tgcctaagta 120  
 cctaaacttt ttgctggggtc ttgttgattc tgacacattg ccacttaatg tatcgcgaga 180  
 aatgcttcag caacatagta gtctaaagac aatcaagaag aaacttatta ggaaagccct 240  
 tgatatgatc cg 252

<210> 37373  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945827H1

<400> 37373  
 tctttcgcca ctcagagaca aagatgaaag agagaagaaa gtgaaacgca gtatagcctt 60  
 gccgtttttg aaaagaacgc taaacgacga agcaaaacgc gttcgtaaca gaagaaaaga 120  
 aaagaaaaga gtaactgaca actgtaccag tagaaaaatt catcgacgtt tctgttattc 180  
 agcgacacgc cgaagcggcg aattgagcaa accaaagcga gtagagaagg ttctggaaga 240  
 a 241

<210> 37374  
 <211> 233  
 <212> DNA



<210> 37377  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945831H1

<400> 37377

cataatttgt ttttctcttc tagcttccac tatgtctaaa acacaaatga gaagacatgc 60  
 tcttgagaag tgcaggagtg tgaaagagcc acagaaagta ttgaaccaca actttttcac 120  
 cagaaacctc aagaaagtgt accctattgg gcttcagaaa agcacctcat ctttgtctct 180  
 gtcttcaatt tcattgtctt tgtcacaaaa ctcaaagac tcttcacagg ctgattcttt 240  
 gactccact 249

<210> 37378  
 <211> 71  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945832H1

<400> 37378

aagctgttgt tcgagtgagc gcagcatatg tattctagag attcatgggg tggaccgttg 60  
 gagatacacg c 71

<210> 37379  
 <211> 173  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945833H1

<400> 37379

ccctcgagcc gaatcggctc gagcggctcg agctctgcaa ttcactacgt acaattcttc 60  
 gttcgttctc tgcagttata tccacctttg agcatcaatg gcggacgctg aaaccttcgc 120  
 tttccaggct gagatcaacc atctttgaag gcgcaatagc aacacaatct ata 173

<210> 37380  
 <211> 191

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945834H1  
 <400> 37380  
 cttgagaatc agattcaagc tgttgccaaa aggggaatata accaaggaga ttcaagcgat 60  
 agtgatccca gatttagaat agctgatata ccagctgctg tatttggtc aagagctcat 120  
 ctagaggaga aagctttagc tacaaggaag agggaccgca aagtttttga agaagggcct 180  
 ccagcatgtg g 191

<210> 37381  
 <211> 77  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945835H1  
 <400> 37381  
 ctcccattgt tctcgccatt tccaaatcac ccgatctcca caactacgac ctgtcttcca 60  
 tcagagtctt gaagtcc 77

<210> 37382  
 <211> 67  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945836H1  
 <400> 37382  
 gccataactt ctattcaagc agtttatgta cccgcagacg atttaaccga tcttgcgcct 60  
 gctacga 67

<210> 37383  
 <211> 69  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945837H1  
 <400> 37383  
 agacaacagc actctctctt gtcgctcttg gcttttgcgt ctgcactcac tctcattcag 60



gcattttcca

69

<210> 37384  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945754H1

<400> 37384

gctcgtggct tggatgtttc cattccacca ttcattgatc gtacaatact tcgtgctaga 60  
gatccacctc gacctgtttt tgatcacatt gaatacaagc cccaccaccg catgaagact 120  
caacaaccta ctaaaccagg ctgagactcg gataatgcag cagcagcagc agcggtgtct 180  
attttcagac tcacacgtga gcagctcaac aactgaaag ccaagtctaa agaagatggc 240  
aacacaatca gctac 255

<210> 37385  
<211> 224  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945755H1

<400> 37385

ctttcgttgg gcttcagttt tcagagagag agaaagagag gaagaggcga tgggagtgct 60  
gtccactatg atcgatcggg aacaactgaa gcccggtgat cacatttact cttggaggca 120  
agcgtacatc tatgcacacc acggaatata tgtcggtgat ggaatggcga tccactttac 180  
cagaggagca ggtcaagaaa ttggaacagg actgtgttgg acaa 224

<210> 37386  
<211> 110  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945756H1

<400> 37386

ngagctgatg tgacgtgtgc agaaagtggc agaactgctc ttgaaatgct gcagttgcct 60

cacaattttg atgcttgctt catggatatt caaatgccag agatggacgg 110

<210> 37387  
<211> 163  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945757H1

<400> 37387

catggagcta catcatagct caagagttgg tagggctcgt tgtttcaatt ggctacatat 60

gcggaataag tccttcaatg ctagggctaa cagttctggc ttgggggaac tcaattgggg 120

atttgatgac acatttaaca atggctttaa attggtggcc agg 163

<210> 37388  
<211> 103  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945758H1

<400> 37388

cgcataatag gaaatcatgg cagatgcgcc ttccgccaga cgagttacgg ctgccaatgt 60

ctctggagct gatgagttgt cctggtataa ttgcttctgg gca 103

<210> 37389  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945759H1

<400> 37389

gttctgatgg gaaaaccttc tactgtctag agatggcaaa atatttcaac cctggtgaag 60

ctgaagccat gaatcagagt gtagcttacc tactgtcaaa gttgagttac attccatcca 120

cactcttcct atcataagtt tcttacgtgg aattcttaga cagagtgcac gtttctgaga 180

aaaagctaag agcacaaggc ttgtgggaag ttcccatcc ttggctgaac cttctgatcc 240

caagg 245

<210> 37390

<211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945761H1

<400> 37390

gtggttctgt caggagcaac atggcttgag cctgacccta taagccgatg cttcactgat 60  
 ggaaatctag ttactggagc tgcattggcca gggcaccctg agttcattgc tcagttgata 120  
 gcactacttg gtattcaagt atctttctag atgcactttg tgatgtaatt aattatcaat 180  
 gaataaagct tggcagtctc catatgcatt ttgtatcaaa tattatatgt atgttaaatgt 240  
 atcttacagt cctgta 256

<210> 37391  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945762H1

<400> 37391

ctgaatagaa aaatgtacag aatacaattc ttgatttgga gaccattact gatctgtgct 60  
 attttctttc acttttttgg cgttgagttc gcatctacta tacagcctag gaatttgggg 120  
 gaaaggagga catggcatgt aacatttttg ttttgtaatt tgggattatt ttttcaatat 180  
 caaaaaaaaa aaaaaaaaaa agggggggcc cccgactatt gaccccttcg ccccgggatt 240  
 tattccgggc cg 252

<210> 37392  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945763H1

<400> 37392

gaaagtatgg agcctaataca gagtttctctg ccctttgagg ggggaatgga gatgtccttg 60  
 gatacgtctg atcatacatc agatcttgag agtgaaagga caaatggaaa accaaagaat 120  
 aaacttcctc gtccctcgtaa tcctctaatt gatgctgttg ctgctcatga caaaagcaag 180

cttaggaagg ttactgaacg ggttatgcct caaattgcac caaaggtaga tgaaagagat 240  
tctttactag aacaga 256

<210> 37393  
<211> 256  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945764H1  
  
<400> 37393

cttgctgaaa ccccttatcc gatcatggct actgatgccc gtgaatcgcg tcgcaagtat 60  
cgccgatcat cctctccgga ggacgtggac agatcctcga agcgccagaa gcaccgccac 120  
cacagccacc gccaccgcca cgggagtagc tgacgcgacg gttagattaa attcgattat 180  
cgaccaattt gtgcggttcc ttctccagct ccgcacgggc atctccctga cgacgattat 240  
gtggatgagg gagaga 256

<210> 37394  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945765H1  
  
<400> 37394

cacaaagcac aaagcaaagc tcatccttga gttaaaaaat ggcagcagct tcttccatgg 60  
ctctctcatc cccatccttg gctggcaagg ccgtgaagct gggcccatca gcccagaag 120  
tggaagggt gagcatgagg aagaccgtca ccaagcaggt ctctcagga agcccatggt 180  
acggcccaga ccgagtcaag tacttaggcc cattctctgg cgagcccccg tcctacctaa 240  
ccggtgagtt ccc 253

<210> 37395  
<211> 258  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945766H1  
  
<400> 37395

cgaggactta ccctttcttt tcttttttct tttttctctt tcctcattct acttaaaaact 60  
 cccaccagtg atggcaggtt tggctccaga gggaacacaa ttcgatggtc gccaatatga 120  
 tgctaagatg agtgaattgc tttccactga tgggcaagaa ttcttcacct cttatgatga 180  
 agtgtatgac agctttgatg caatgggatt gcaagagaat cttctgcgag gcatagatgc 240  
 ttatggtttt gagaagcc 258

<210> 37396  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945767H1

<400> 37396

agacatagca aacgatccaa actctttttt catttgcacg atcaaaatga gtggtagcaa 60  
 cgatggtagc ggcagctgga gctctaggtt tttgaagggtg gctagtgcag ctgccgctac 120  
 agccgccgtt gccggcggtt tatatgccat tctttcatcc tcaacctctg ctagctctga 180  
 gatggaagtg ccgtttggca ggcacggcg tgagagcaaa aaaaatgacg atggtaggtc 240  
 cgg 243

<210> 37397  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945770H1

<400> 37397

gccctcagaa cacctttgtc ccaggactca ttgatctggc catcaaaagg aatagtttga 60  
 ttggaggaga tgactttaag agtggtcaga ccaaaatgaa atcgggtgttg gtggatttcc 120  
 tagtaggggc cggcatcaag ccaacatcta tagtgagtta caaccatttg ggagacaatg 180  
 atggcatgca tctctcagcc cctcaaacct tccggtcgaa ggaaatttcc 230

<210> 37398  
 <211> 97  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945771H1

<400> 37398

ccagtgtgag gcgagacgct tgaaattcct atccccatgt cgaaattcca tgtgatgtca 60

ttagtgtag tggcggtgtt atgggattca ggcgcgt 97

<210> 37399

<211> 97

<212> DNA

<213> Glycine max

<223> Clone ID: 700945772H1

<400> 37399

ggagagacaa cctttaacaa caccaccagc aatgctggagc gcgaaagaga ctctcttctt 60

ccgaacctcc ttcttcttct cctcccgcaa cagatga 97

<210> 37400

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 700945773H1

<400> 37400

agccaaggtg ggttaaacac tcttcttcat cgtcgtcgca atgggacgtg tgatccgtgc 60

gcagcgtaag ggagcaggct cggctcttcaa gtccacacg caccaccgca agggccctgc 120

ccgcttccgg agcctggatt tcggagagcg caacg 155

<210> 37401

<211> 98

<212> DNA

<213> Glycine max

<223> Clone ID: 700945774H1

<400> 37401

cgagaataaa tgcaactacc acaaagactt acgctacaag aaccatattt ttcttgaaaa 60

gtgatggaac cttgacgcca ttggccattg agttaagt 98

<210> 37402

<211> 238  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945776H1  
  
 <400> 37402  
  
 cctactactc atcattgtct caaaaacctt ctctctcaac aaaacctaca acaacaacaa 60  
 aaaaagagaa attttttaga acaatggagg catcaaagat gaagtttttc ttggttttgg 120  
 tgattgccat gttggcgatg gtagcaactg gggtttcagc tgctgaggca cctgccccag 180  
 gtccttcac c gatgcgacc accttctttg taccactgc tctgtgttct ctctttgt 238

<210> 37403  
 <211> 99  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945777H1  
  
 <400> 37403  
  
 gcgacacgta tcaacttcaa taatcgcatc gcagaagcag ttcccggtgc atctcatcgt 60  
 ctccgaaaat gaacgacgca gatgtctcga agcaaatcc 99

<210> 37404  
 <211> 100  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945778H1  
  
 <400> 37404  
  
 ctcgagccga ttccggctcga ggtcaaaatg tacacagagc ttcgaagtac cattcaggag 60  
 gtggaaaatt accagcgttt gagctctcag tctcaaaatg 100

<210> 37405  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945780H1  
  
 <400> 37405

cgtgaaacaa cagctttcat ggttccattg gtggctggtg atggaaccaa aactcaggca 60  
 cttgctatgt gccactcaaa tacttctgga atgaatcatc aaatgcttca tcaacttatg 120  
 ggagttgaac ctggaactaa ccctgtttgc catttccttg gaagcaaggc cattttatgg 180  
 gtaccaatt tatctgtgga cactgcctat cagaccaaca ttgttgctta attagtccat 240  
 gcattctgag ca 252

<210> 37406  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945781H1

<400> 37406

gctgcactag tgatgcttga agcaattgat tgtggaaaac cactagatga agcactggca 60  
 gacctggatg atgttattgg ttgttttaac tactatgccg agcttgcaga aggattggac 120  
 gcaaagcaaa atgctcctgt atcccttcct atggaaacct tcaagagtta tgttctcaag 180  
 gagcccatcg gagttgttgc attaattact ccatggaact atcctctatt gatggctaca 240  
 tggaaagttg ctctgctct agctgct 267

<210> 37407  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945782H1

<400> 37407

ttaaattttg atcatcatgg actgtgaaaa tggcaaaaaa aggcacctat tacttggccc 60  
 aagggcaatg ctcttgggta accctgactt ttttccaaag ggtgccggaa gggagggtgc 120  
 cttttgcatg cgaccctagg aacgggctca cgaggggggtt caagttctgc aacacgcacg 180  
 tgccgatcca cgtgagggtg caggacctca tagcgaggct cacattgccg gaaaaaatta 240  
 ggctcgtc 248

<210> 37408  
 <211> 257  
 <212> DNA